

DATE 7-7-03 BY: NJP PERMIT # \_\_\_\_\_ ABR OS 924  
OS 925  
OS 926Well Location: 1/4 Sec. SW Sec. 1 Twp 27 Rge 7 Well # \_\_\_\_\_

\_\_\_\_\_ F \_\_\_\_\_ L AND \_\_\_\_\_ F \_\_\_\_\_ L

## OWNER

NAME: John T Hull dba Hull Oil CoADDRESS: P.O. Box 1268CITY: Pawhuska STATE: OK ZIP: 74056PHONE: ( )

## OPERATOR:

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_

FILE AVAILABLE: \_\_\_\_\_ DATE CHECKED: \_\_\_\_\_

BIA APPROVED: 3-14-01INTEREST OWNED: John T Hull Oil Co. dba Hull Oil Co.

## TYPE OF FINANCIAL RESPONSIBILITY:

SINGLE LEASE: \_\_\_\_\_ COUNTY LEASE: \_\_\_\_\_ NATION WIDE: \_\_\_\_\_

BONDS: \_\_\_\_\_ LETTER OF CREDIT: \_\_\_\_\_ ESCROW: \_\_\_\_\_ CERT. OF DEPOSIT: \_\_\_\_\_

AMOUNT OF FINANCIAL RESPONSIBILITY: \$ 20,000.00SURETY: NAME: RL Insurance

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

INFO REQUESTED BY: \_\_\_\_\_ DATE INFO REQUESTED: \_\_\_\_\_

COPY OF: BOND: \_\_\_\_\_ ASSIGNMENT: \_\_\_\_\_ COPIES SENT: \_\_\_\_\_ DATE SENT: \_\_\_\_\_

PREVIOUS OWNER: NAME: Drummond & Hull

JUL 23 2003

7/16/03

John T. Hull DBA Hull Oil Company 100%

To

2-23-90	TEXACO, Inc.	Drummond & Hull Oil Company	100 %
3-14-01	Drummond & Hull Oil Company	John T. Hull DBA Hull Oil Company	100 %



FORM F  
Approved by the Secretary of the Interior  
March 20, 1952

CONTRACT NUMBER  
14-20-G06-746 ✓

OSAGE MINING LEASES  
(Must be executed in duplicate)

Assignment of Blanket Oil Mining Lease

WHEREAS, The Secretary of the Interior has heretofore approved blanket <sup>oil</sup> mining lease, dated 4/5/66  
20 Entered into by and between Texaco, Inc.  
lessee, and the  
Osage Tribe of Indians, lessor, covering the following described land in the Osage Reservation, State of Oklahoma:  
SW/4 Sec. 1 T27N R7E and SE/4 Sec. 2 T27N R7E 320 acres  
(Blackland Cooperative Waterflood)

Now, therefore, for and in consideration of (\$ 10.00 ), dollars the receipt of which is hereby acknowledged, the said  
Drummond & Hull Oil Company  
the lessee in the above described lease, hereby bargains, sells, transfers, assigns and conveys  
all its 100%  
right, title and interest of the lessee in and to said lease, subject to the approval of the Secretary of the Interior, to:  
John T. Hull d/b/a Hull Oil Company, P.O. Box 1268 Pawhuska OK 74056

In Witness whereof the said lessee has hereunto set its hand this 15th day of December 2000.  
ATTEST:

Secretary  
(SEAL)

DRUMMOND & HULL OIL COMPANY

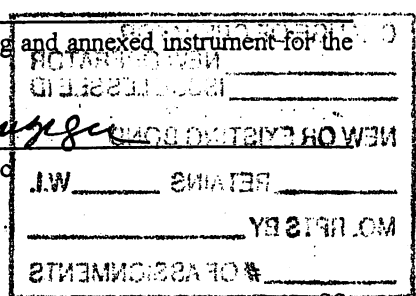
BY [Signature]  
Charles R. Drummond, General Partner  
John T. Hull, General Partner

ACKNOWLEDGEMENT OF INDIVIDUAL

STATE OF OKLAHOMA COUNTY OF Washington, SS:  
Before me, a Notary Public, in and for said County and State on this 15th day of December 2000,  
personally appeared Charles R. Drummond and John T. Hull  
to me known to be the identical person S who executed the within and foregoing and annexed instrument for the  
consideration and purposes therein mentioned and set forth, and I do hereby so certify.

My commission expires 7-21-02

[Signature]  
Notary Public



ACKNOWLEDGMENT OF CORPORATION

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_, SS:  
On this \_\_\_\_\_ day of \_\_\_\_\_ A.D. 20\_\_\_\_ before me, a Notary Public within and for the State  
and County aforesaid, personally appeared \_\_\_\_\_ and \_\_\_\_\_  
to me personally known who, being by me duly sworn did each say that \_\_\_\_\_  
is the \_\_\_\_\_ president and \_\_\_\_\_  
is the secretary of \_\_\_\_\_  
a corporation, and that the seal affixed to the foregoing and annexed instrument is the corporate  
seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board.

of directors; and said \_\_\_\_\_  
and \_\_\_\_\_ duly acknowledged that they each had in their said  
official capacities executed the foregoing instrument as the act and deed of the said company for the consideration and  
purposes therein mentioned and set forth, I do hereby so certify.

Witness my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

### ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby  
accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of  
lease, when assigned, and the rules and regulations of the Secretary of the Interior, so far as applicable thereto and to furnish  
proper bond guaranteeing a faithful compliance with said lease and this assignment.

In Witness Whereof, the said assignee hereunto set his hand and seal the 15th day of December 2000.

Attest:

Secretary

(SEAL)

John T. Hull  
John T. Hull d/b/a Hull Oil Company

### CONSENT OF SURETY

The \_\_\_\_\_ of \_\_\_\_\_  
surety for \_\_\_\_\_ on the bond  
accompanying the lease above described, hereby consents to the assignment and transfer of said lease as above made and  
agrees that their original bond shall remain in full force and effect.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_.

CHANGE OF OPERATOR	
NEW OPERATOR	ISSUE LESSEE ID
077	
NEW OR EXISTING BOND <u>19,000 Bond # RL B0002754</u>	
RETAINS _____ W.I.	
MO. RPTS BY <u>John T. Hull</u>	
# OF ASSIGNMENTS <u>1</u>	

DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS  
OSAGE AGENCY  
PAWUSKA, OKLAHOMA

DATE MAR 14 2001

FILE COPY
SURNAME
<u>EHaworth</u>
<u>MR-OK title</u>
<u>C Jensen</u>

The within assignment is hereby approved pursuant to authority  
delegated by 25 CFR 226.15 (b) 19 will

Minerals Assignments are categorical  
exclusions under 30 BIA M Supp. 1.

JAN 25 2001

Date

Agency Environmental Officer

De Sloan  
ACTING SUPERINTENDENT



## BOND RIDER NO. 1

Attaching to and forming part of Bond to Accompany Assignments of Mining Leases of Osage Lands, Bond No. RLB0002754, effective January 4, 2001 on behalf of John T. Hull d/b/a/ Hull Oil Company as Principal, of P.O. Box 1268, Pawhuska, Oklahoma 74056 in favor of United States Department of the Interior, Bureau of Indian Affairs as Obligee, in the amount of Ten Thousand and No/100 Dollars (\$10,000.00).

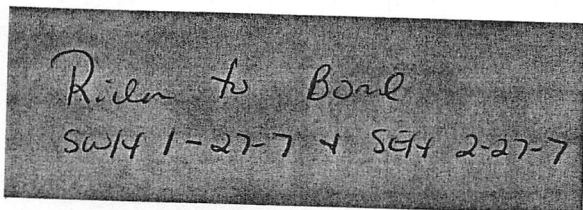
It is understood that effective February 7, 2001 the penal sum has been increased by Ten Thousand and No/100 Dollars (\$10,000.00).

Total penal sum has been amended to read Twenty Thousand and No/100 Dollars (\$20,000.00).

All other conditions and terms to remain the same as originally written.

Signed, sealed and dated this 7<sup>th</sup> day of February 2001.

FILE COPY
SURNAME
<i>E. H. H. H. H. H.</i>



John T. Hull d/b/a/ Hull Oil Company  
Principal

By: *John T. Hull*

RLI Insurance Company  
Surety

*D. Sloan*  
Superintendent, Osage Agency  
ACTING

MAR 14 2001

By: *Roy C. Die*

Roy C. Die, Attorney-in-Fact

The following information was obtained from the  
OSCEC file for the above project. The file was  
last updated on 10/03/2017. The file contains  
information on the project's progress, including  
the number of hours worked, the amount of money  
spent, and the status of the project.

The project was completed on 10/03/2017. The  
total amount of money spent was \$10,000.00.

The project was completed on 10/03/2017. The  
total amount of money spent was \$10,000.00.

The project was completed on 10/03/2017. The  
total amount of money spent was \$10,000.00.

The project was completed on 10/03/2017. The  
total amount of money spent was \$10,000.00.

The project was completed on 10/03/2017. The  
total amount of money spent was \$10,000.00.

The project was completed on 10/03/2017. The  
total amount of money spent was \$10,000.00.

The project was completed on 10/03/2017. The  
total amount of money spent was \$10,000.00.

2003 JUL 21 AM 10:55  
RECEIVED  
HHS ROOM



Revised 10/8/87

CLASS II INJECTION WELL DATA FORM  
OSAGE COUNTY, OKLAHOMADate: 6-8-90 By: NP Permit #06S126 \_\_\_\_\_ ABR Form # \_\_\_\_\_

925

924

Well Location:  $\frac{1}{4}$  Sec. SW Sec. 1 Twp. 27 Rge. 7 Well # \_\_\_\_\_

926

\_\_\_\_\_ Ft. from \_\_\_\_\_ Line and \_\_\_\_\_ Ft. from \_\_\_\_\_ Line

Legal Owner: Name Drummond & Hull Oil CompanyStreet P.O. Box 1268City Pawhuska State OK Zip 74056Phone (918) 287-2339 (Tom Hull)

Operator: Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone ( ) \_\_\_\_\_

-----  
DATABASE UPDATE

## New Info. Listed Above:

## Delete

## Well Status Change

Owner /

Gas Well \_\_\_\_\_

TA \_\_\_\_\_

Operator /

Oil Well \_\_\_\_\_

Dual Comp. \_\_\_\_\_

Address \_\_\_\_\_

Plugged \_\_\_\_\_

Active \_\_\_\_\_

Phone # \_\_\_\_\_

Water Input \_\_\_\_\_

Inactive \_\_\_\_\_

Legal \_\_\_\_\_

Duplicate of \_\_\_\_\_

Other \_\_\_\_\_

Feet Line \_\_\_\_\_

Cancelled \_\_\_\_\_

Well # \_\_\_\_\_

Remarks: \_\_\_\_\_

RECEIVED

JUN 11 1990

EPA 6W-S

REGION 4

Enclosures: 1. BIA 208 \_\_\_\_\_ 2. BIA 139 \_\_\_\_\_ 3. Letter \_\_\_\_\_ 4. Schematic \_\_\_\_\_

5. Verification Form \_\_\_\_\_ 6. Inspection Rpt. \_\_\_\_\_ 7. BIA Memo \_\_\_\_\_

8. Bond/Assignment \_\_\_\_\_ 9. Cement Info. \_\_\_\_\_ 10. ROC \_\_\_\_\_

11. Lease Status Report \_\_\_\_\_ 12. Permit Trk. Sheet \_\_\_\_\_

Remarks: \_\_\_\_\_



Current Ownership

Drummond & Hull Oil Company

Interest:

100%

ASSIGNMENTS

Department  
Approval

2-23-90

By

Texaco, Inc.

To

Drummond & Hull Oil Company

100%

RECEIVED

JUN 11 1990

EPA GW-S  
REGION VI



FORM F

Approved by the Secretary of the Interior  
March 20, 1952CONTRACT NUMBER  
14-20-G06-746 ✓**OSAGE MINING LEASES**

(Must be executed in duplicate)

**Assignment of Blanket Oil Mining Lease**

WHEREAS, The Secretary of the Interior has heretofor approved Blanket Oil mining lease, dated April 5th 1966. Entered into by and between Texaco Inc. ✓

lessee, and the  
Osage Tribe of Indians, lessor, covering the following described land in the Osage Reservation, State of Oklahoma:

SW/4 Section 1-27N-R7E and the SE/4 Section 2-27N-R7E, ✓

Blackland Cooperative Waterflood ✓

Now, therefore, for and in consideration of (\$ 10.00 ), dollars the receipt of which is hereby acknowledged, the said Texaco Inc.

the lessee in the above described lease, hereby bargains, sells, transfers, assigns and conveys all of its 100.00% ✓

right, title and interest of the lessee in and to said lease, subject to the approval of the Secretary of the Interior, to :  
Drummond & Hull Oil Company, a partnership, P.O. Box 1268, Pawhuska, Oklahoma 74056. (Between the parties hereto this Assignment shall be effective December 1, 1989). ✓

In Witness whereof the said lessee has hereunto set our hand this 20th day of February 1990.

Attest:

Secretary  
(SEAL)

By:

Attorney-in-Fact (J. A. Schell)

Attest:

Assistant Secretary

**ACKNOWLEDGMENT OF INDIVIDUAL**

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_ SS:

Before me, a Notary Public, in and for said County and State on this \_\_\_\_\_ day of RECEIVED 19 \_\_\_\_\_ personally appeared \_\_\_\_\_

to me known to be the identical person who executed the within and foregoing and annexed instrument for the consideration and purposes therein mentioned and set forth, and I do hereby so certify.

Notary Public

My commission expires \_\_\_\_\_

**ACKNOWLEDGMENT OF CORPORATION**

STATE OF Texas COUNTY OF Midland SS:

On this 20th day of February A. D. 19 90 before me, a Notary Public within and for the State and County aforesaid, personally appeared J. A. Schell and Joy K. Burnett

each say that J. A. Schell is the Attorney-in-Fact president and

Joy K. Burnett is the secretary of an Assistant Secretary of Texaco Inc.

a corporation, and that the seal affixed to the foregoing and annexed instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board

of directors; and said ~~XXXXXXXXXX~~ J. A. Schell  
and Joy K. Burnett ~~XXXXXXXXXX~~ duly acknowledged that they each had in their said  
official capacities executed the foregoing instrument as the act and deed of the said company for the considera-  
tion and purposes therein mentioned and set forth, I do hereby so certify.

Witness my hand and seal on this 20th day of February 1990

My commission expires April 30, 1993



Notary Public, State of Texas  
My Commission expires 4-30-93

### ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of lease, when assigned, and the rules and regulations of the Secretary of the Interior, so far as applicable thereto and to furnish proper bond guaranteeing a faithful compliance with said lease and this assignment.

In Witness Whereof, the said assignee hereunto set hand and seal the day of 19

Attest:

Secretary

(SEAL)

Drummond & Hull Oil Company

By: John T. Hull, General Partner

### CONSENT OF SURETY

The surety for of on the bond  
accompanying the lease above described, hereby consents to the assignment and transfer of said lease as  
above made and agrees that their original bond shall remain in full force and effect.

Dated at this day of 19

RECEIVED  
JUN 11 1990  
REGION VI

I have determined that this action ~~is~~ (is not)  
a major federal action within the scope of the  
National Environmental Policy Act of 1969,  
42 U.S.C. 4223 (2) (c).

FEB 23 1990

Date

Agency Environmental Officer

DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS  
OSAGE AGENCY  
PAWHUSKA, OKLAHOMA

DATE FEB 23 1990

The within assignment is hereby approved pursuant to authority  
delegated by 25 CFR 226.15 (b) and 34 F.R. 15812

ACTING Chief, Branch of Minerals

File Copy
Surname
Notes
Initials
Signature



56-0130-10131-90-0

Form H  
September 1956UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS**BOND TO ACCOMPANY ASSIGNMENT OF  
MINING LEASES OF OSAGE LANDS**KNOW ALL MEN BY THESE PRESENTS, that we, Drummond & Hull OilCompanyof Pawhuska, OK, as situated in United StatesFidelity & Guaranty Company of Baltimore, Maryland, as surety,are held and firmly bound unto the United States of America in the sum of \$5,000.00 Dollars, lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves, and each of us, our and each of our heirs, successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.Sealed with our seals and dated this 21st day of February, 1990.The condition of this obligation is such that whereas Texaco, Inc.

(Name of

original lessee), as lessee, entered into a certain indenture of lease datedApril 6th, 1966

with the Osage Tribe of Indians, lessor, obligee hereunder, for

the lease of a tract of land described as follows: SE/4 Section 2-T27N-R7EOsage County, Oklahoma

and located in Osage County, Oklahoma, for oil mining for the period of five years from the date of approval thereof, and as much longer hereafter as may be found in paying quantities, provided that the term of this lease shall not extend beyond the time when the title to minerals ceases to be in the Osage Tribe.

WHEREAS, thereafter the lessee, the said Texaco, Inc.has assigned All right, title, and interest in and to the above-described lease to the said Drummond & Hull Oil Company, and subject to all the conditions and provisions in said lease contained.WHEREAS the surety, Fidelity & Guaranty Company, in consideration of any modification of such lease, or obligation thereunder, whether by extension, renewal, or otherwise, by commitment of such lease to unit, cooperative, or communitarian arrangement, or waiver, suspension, or change in rental, except an increase thereof, by a written agreement, or by a written agreement of an increase thereof, by compensatory royalty payment, or otherwise, this bond shall remain in full force and effect notwithstanding.WHEREAS the principal, Drummond & Hull Oil Company, shall not neglect or forbearance of the obligee in enforcing against the assignee, principal, the payment of any rental or royalty or the performance of any other covenant, condition, or agreement of the lease, shall not, in any way release the principal, and surety, Fidelity & Guaranty Company, or either of them, from any liability on this bond; andRECEIVED  
JAN 11 1990  
EPA 6W-5  
REGION VI

WHEREAS the principal... and surety... agree that in the event of any default under such lease, the obligee may prosecute any claim, suit, action, or other proceeding against the principal... or surety..., or either of them, without the necessity of joining the other.

Now, if the said principal... herein shall faithfully carry out and observe all the obligations assumed in said indenture and assignment of lease and shall observe all the laws of the United States and regulations made, or which shall be made thereunder, for the government of trade and intercourse with Indian tribes, and all the rules and regulations that have been, or may hereafter be, lawfully prescribed by the Secretary of the Interior relative to leases executed by the Osage Tribe in Oklahoma, then this obligation shall be null and void; otherwise to remain in full force and effect.

The rate of premium charged on this bond is \$.....; the total premium paid is

\$.....

Signed and sealed in the presence of—

WITNESSES:\*

Linda Thanto  
 P. O. Pawhuska, Ok  
 Linda Thanto  
 P. O. Pawhuska, Ok  
 Linda Thanto  
 P. O. Pawhuska, Ok  
 Linda Thanto  
 P. O. Pawhuska, Ok  
 LaRonda Hladas  
 P. O. Bartlesville, Ok  
 Jo Ann Stumpff  
 P. O. Bartlesville, Ok

as to John T. Hull, General Partner (SEAL)

as to [Signature] (SEAL)

as to Regina Hoppock (SEAL)  
Regina Hoppock, Attorney-In-Fact

RECEIVED  
JUN 11 1990  
EPA 6W-S  
REGION VI

\*Two witnesses to all signatures.

Surety Agent Paul Stumpff & Associates Address P.O. Box 3426, Bartlesville, Ok

File Copy
74088
Surname
State
County

Date FEB 23 1990

The within bond is hereby approved pursuant to authority delegated by 25 CFR 183.6.

[Signature]  
 ACTING Chief Branch of Minerals  
 Auth.: 34 F.R. 15812



## FORM F

Approved by the Secretary of the Interior  
March 20, 1952

CONTRACT NUMBER

14-20-G06-746

## OSAGE MINING LEASES

(Must be executed in duplicate).

Assignment of Oil Mining Lease

WHEREAS, The Secretary of the Interior has heretofore approved oil mining lease, dated April 5, 1966, Entered into by and between Texaco, Inc.

lessee, and the  
Osage Tribe of Indians, lessor, covering the following described land in the Osage Reservation, State of Oklahoma:

SW/4 of Section 1, Township 27 North, Range 7 East &amp;

SE/4 of Section 2, Township 27 North, Range 7 East

Osage County, Oklahoma

Now, therefore, for and in consideration of (\$ 10.00 ), dollars the receipt of which is hereby acknowledged,  
Wandering Star Partners, No. 1, L.L.P., successor in interest to Texaco, Inc.,  
the lessee in the above described lease, hereby bargains, sells, transfers, assigns and conveys all of its  
right, title and interest of the lessee in and to said lease, subject to the approval of the Secretary of the Interior, to:

Marah Resources, LLC an Oklahoma Limited Liability CompanyMarah

2526 East 71st St., Suite A

Tulsa, Oklahoma 74136

In Witness whereof the said lessee has hereunto set its hand this 15th day of July 20 11.  
ATTEST:

Secretary  
(SEAL)

Wandering Star Partners, No. 1, L.L.P.,By: [Signature]

Manager of its General Partner, Mariah Exploration, LLC

## ACKNOWLEDGEMENT OF INDIVIDUAL

STATE OF OKLAHOMA COUNTY OF WASHINGTON, SS:

Before me, a Notary Public, in and for said County and State on this 15th day of July 20 11,  
personally appeared Chris Mauter  
to me known to be the identical person who executed the within and foregoing and annexed instrument for the  
consideration and purposes therein mentioned and set forth, and I do hereby so certify.

My commission expires 2/16/13

Notary Public



## ACKNOWLEDGMENT OF CORPORATION

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_, SS:

On this \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_ before me, a Notary Public within and for the State  
and County aforesaid, personally appeared \_\_\_\_\_ and \_\_\_\_\_

to me personally known who, being by me duly sworn did each say that \_\_\_\_\_

is the \_\_\_\_\_ president and \_\_\_\_\_

is the secretary of \_\_\_\_\_

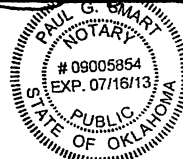
a corporation, and that the seal affixed to the foregoing and annexed instrument is the corporate  
seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board

of directors; and said \_\_\_\_\_  
and \_\_\_\_\_ duly acknowledged that they each had in their said  
official capacities executed the foregoing instrument as the act and deed of the said company for the consideration and  
purposes therein mentioned and set forth, I do hereby so certify.

Witness my hand and seal on this 15 day of July 2011

My commission expires 7/16/13

Notary Public



### ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby  
accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of  
lease, when assigned, and the rules and regulations of the Secretary of the Interior, so far as applicable thereto and to furnish  
proper bond guaranteeing a faithful compliance with said lease and this assignment.

In Witness Whereof, the said assignee hereunto set \_\_\_\_\_ hand and seal the 15 day of July 2011.

Attest:

Secretary

(SEAL)

David W. Jones  
President

### CONSENT OF SURETY

The \_\_\_\_\_ of \_\_\_\_\_  
surety for \_\_\_\_\_ on the bond  
accompanying the lease above described, hereby consents to the assignment and transfer of said lease as above made and  
agrees that their original bond shall remain in full force and effect.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS  
OSAGE AGENCY  
PAWHUSKA, OKLAHOMA

Approved: **DEC - 7 2011**

Under the authority delegated by  
209 DM 8, 230 DM 1, 3 IAM 4.1  
and Muskogee Area Addendum  
9901 to 3 IAM 4 issued June 22, 1999.

/s/ Melissa Currey

The within assignment is hereby approved pursuant to authority  
delegated by 25 CFR 226.15 (b)

SUPERINTENDENT



Escrow Bank: Bancfirst  
Bank Address: 8822 S Yale Ave Tulsa, OK 74137  
Date: July 12, 2011

WE, THE UNDERSIGNED Jireh Resources LLC, and the SUPERINTENDENT,  
OSAGE AGENCY, BUREAU OF INDIAN AFFAIRS (The "Superintendent") hereby deposit with  
BancFirst ("escrow bank") the following monies to-wit:

FIFTY THOUSAND AND NO/100 DOLLARS (\$50,000)

Which shall be held by the said bank in escrow under the following instruction, to-wit:

- (a) The account shall be designated as the Jireh Resources LLC - Osage  
Account # 0591000100. Said certificate of deposit shall be purchased and owned by  
Jireh Resources LLC subject to conditions set forth  
below;
- (b) The Escrow Funds will be invested in one certificates of deposit and shall be  
automatically reinvested at then existing interest rates until the Escrow Agreement is terminated;
- (c) The superintendent may draft upon the Escrow funds upon the submission to the Escrow Agency  
of a sworn affidavit by the Superintendent stating that (i) Jireh Resources LLC is in  
default with regard to its obligations under Department of Interior regulations governing oil &/or  
gas leases covering lands located within Osage County, Oklahoma and (ii) the Superintendent has  
given Jireh Resources LLC thirty days notice of such default (including a  
specific description of the default) and the opportunity to cure same within said thirty (30) day  
period; unless said default is the subject of litigation in which case said funds shall remain in  
escrow;
- (d) Any funds remaining in the Escrow Account on the termination date (as defined below) will be  
distributed to Jireh Resources LLC;
- (e) All accrued interest shall be credited to Jireh Resources LLC and not added to  
the certificate of deposit;

DDA#0591003149

Subject, however, to the following terms, exceptions, provision and conditions.

1. The escrow bank shall be liable as a depository only and shall not be responsible for the  
sufficiency or accuracy of the form, execution or validity of documents deposited hereunder, or any  
description of, property or other things therein, nor shall it be liable in any respect on account of the  
identity, authority, or rights of the persons executing or delivering or purporting to execute or deliver any  
such document or paper.
2. The escrow bank, as part of the consideration for the acceptance of this escrow, shall not be liable  
for any acts or omissions done in good faith, nor for any claims, demands or losses, nor for any damages  
made and suffered by any party to this escrow, excepting such as may arise through or be caused by its  
willful or gross negligence.
3. The escrow bank shall not be liable for collection items until the proceeds of the same in actual  
cash have been received, and in making collections of items deposited hereunder, the parties hereto agree  
that the escrow bank may collect the same under the procedures customarily employed by it in handling  
other collections, nor shall it be liable for the default in payment of any installment of principal or interest  
nor shall it be liable for failure to demand payment of any instrument, present the same for payment or  
protest the same or given notice of protest of nonpayment thereof, nor the outlawing of any rights under the  
Statute of Limitations in respect to any document deposited; nor for interest on any deposit of money. It  
may rely upon any paper, document, or other writing believed by it to be authentic in making any delivery  
of money or property hereunder. The escrow bank shall in no way be responsible nor shall it be its duty to  
notify any party hereto or party interested in this escrow deposit of any payment or maturity, under the  
terms of any instrument deposited herewith.

4. It is agreed that this escrow contract shall not be terminated until the Superintendent authorizes such termination in writing or Bank gives 30 days written notice of its desire to cease serving as escrow agent.
5. It is further understood and agreed between the parties that these instruments supersede any other contract with reference to this escrow deposit, insofar as said escrow bank is concerned, and that the said bank may rely absolutely hereon to the exclusion of any and all other agreements between the parties hereto.
6. This Agreement shall be binding on the successors and assigns of the parties hereto.
7. This Agreement may be amended by written instrument executed by all parties.
8. Jireh Resources LLC may assign its interest in the Escrow Account subject to the approval of the Superintendent and the escrow bank.
9. The escrow bank shall provide Jireh Resources LLC and the Superintendent with semi-annual statements reflecting the balances and activity of the Escrow Account.
10. The escrow bank shall be paid an escrow fee of \$ 150.00 for each certificate so issued.
11. This certificate of deposit shall be subject to all normal banking rules and regulations including Regulation Q.

## PARTIES TO ESCROW CONTRACT

Jireh Resources LLC  
(PRINTED NAME OF COMPANY OR INDIVIDUAL)  
Steven M. House  
(SIGNATURE OF COMPANY AGENT OR INDIVIDUAL)

APPROVED:

NOV - 8 2011

Under the authority delegated by 209 DM 8,  
230 DM 1, 3 IAM 4.1 and Muskogee Area  
Addendum 990L to 3 IAM 4 issued June 22, 1999

Melissa Curry  
SUPERINTENDENT, OSAGE AGENCY  
BUREAU OF INDIAN AFFAIRS

FILE COPY
SURNAME
<u>A. Smith</u>
<u>Shub</u>

ACCEPTED:

Bank First 918-664-3462  
Bank Telephone No.

8802 S. Yale Tulsa OK 74137  
Address of Bank

Andrew Metcalf V.P. + Branch Manager  
BY: Signature and Title of Bank Officer

## RECEIPT AND RELEASE

All monies, documents and papers relative to this escrow deposit have been received to our entire satisfaction this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, and the escrow bank herein relieved from all further liability or responsibility with reference thereto.

\_\_\_\_\_  
Date: \_\_\_\_\_





## Receipt for Certificate of Deposit Time Account

Product: 365 DAYS	Account #: 591000100
Date: 07/11/2011	Account Owner(s) and Mailing Address:
Plan ID#: 000	JIREH RESOURCES LLC
New <input checked="" type="checkbox"/> Rev <input checked="" type="checkbox"/> CSR: SDENIZOT	BUREAU OF INDIAN AFFAIRS
Comments:	2526 E 71ST ST STE A
TULSA, OK 74136	
This account is opened with the following type of account title:	

## Payor's Request for Taxpayer's Identification Number and Certification

Taxpayer Identification Number: 26-4212846

Certification - Under penalties of perjury, I certify that:

- (1) The number shown on this form is my correct taxpayer identification number and  
(2) I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding.  
(3) I am a U.S. Person (including a U.S. resident alien)

Certification Instructions - You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, the acquisition or abandonment of security property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN.

Signature:

Date:

## Account Term

Interest Rate: .750% APY: .75% Rate Changer: Y Opening Deposit: 50,000.00

Opening Date: 07/11/2011 Term: 365 Days Maturity Date: 07/10/2012 Signatures Required for Withdrawal: 1

Deposit Consisting Of: 50000.00

## Account Options

<ul style="list-style-type: none"><li>• Maturity</li><li><input type="checkbox"/> Single Maturity</li><li><input checked="" type="checkbox"/> Automatic Renewal</li></ul>	<ul style="list-style-type: none"><li>• Interest will be paid every 365 days</li></ul>
<ul style="list-style-type: none"><li>• Interest will be paid by:</li><li><input type="checkbox"/> Check</li><li><input checked="" type="checkbox"/> Transfer to checking/savings account # 000591003149</li><li><input type="checkbox"/> Transfer to another financial institution: R/T #: Account #: ACH trancode:</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> Add it back to account principal</li></ul>

THIS BOOK ENTRY ACCOUNT IS SUBJECT TO THE BANCFIRST DEPOSIT AGREEMENT

THIS ACCOUNT IS NOT NEGOTIABLE AND IS NOT TRANSFERABLE

Authorized Bank Signature:

BANK USE ONLY

Processed By:

Branch:

Date:

Reviewer Stephanie Johnson  
Date 2-11-86Form/Permit # 924  
Company Name Texaco Inc.  
Well # 4W  
Location SW/4; Sec. 1; T 27 N; R 7 E  
1650 FSL; 330 FWL

## TECHNICAL REVIEW

Type Injection Well: (EOR/SWD/HC Storage) (New/Conversion) (Active/Inactive)

Injection: (Continuous/Cyclic)

Approximate # days operating/year \_\_\_\_\_

Rate (B/D): Average \_\_\_\_\_

Maximum \_\_\_\_\_

Wellhead pressure (psi): Average \_\_\_\_\_

Maximum 547Fluid: TDS 2.8Sp. Gr. 1.1

Analyses included: (yes/no)

Source (formation name) Mississippi

## Geologic Data (all references to depths are below land surface)

Base of Historical Usable Water: 29' 3500' NWBase of USDW and how determined: 670 at 1162' ∴ Base USDW at 1129' = 637'Injection Interval: Top 2496; Bottom 2514; Effective Thickness 18'Formation name Mississippi Lithology \_\_\_\_\_

Porosity (%) \_\_\_\_\_

Initial Reservoir Pressure \_\_\_\_\_

Date \_\_\_\_\_

Permeability (md) \_\_\_\_\_

Confining Zones: Thickness between injection zone and USDW \_\_\_\_\_

Lithology \_\_\_\_\_

Cumulative shale \_\_\_\_\_: thickest shale zone \_\_\_\_\_ (interval)

## Well Data: (all references to depths are below land surface)

Surface Elevation: 1129' (KB/GL)TOTAL DEPTH: 2554'Date Drilled or to be drilled: 8-26-53PLUGGED BACK DEPTH: 2515'Date converted: 1-21-69

Type logs available on (this well/offset well): (By reference/included) \_\_\_\_\_

Test data: (By reference/included) \_\_\_\_\_

Construction:	Size (in)	Depth Interval	Sacks of Cement	Hole Size	Cement Interval	How Determined
Surface Csg.	<u>10.75</u>	<u>230</u>	<u>225</u>		<u>0-225</u>	<u>CALCULATIONS</u>
Intermediate Csg.			<u>240 B/A</u>		<u>71200-2552</u>	<u>B/A</u>
Long String Csg.	<u>7.00</u>	<u>2552</u>	<u>200</u>		<u>1628-2552</u>	<u>CALCULATIONS</u>
Liner						
Tubing	<u>2.88</u>					

Packer type and depth \_\_\_\_\_

$$\text{TYPE CEMENT} = \frac{\text{CU FT}}{\text{SX}} \times \frac{\# \text{ of SX}}{\text{SX}} = \frac{\text{TOTAL CU FT of CEMENT}}{\text{CU FT}} \times \frac{\text{LIN FT (FROM TABLES)}}{\text{CU FT}} = \text{LIN FT of CEMENT}$$

## AOR (1/4 mile radius)

Map submitted: (yes/no)

Tabulation of Wells Submitted: (yes/no)

Faults Located: (yes/no); (none Present/Distance from injection well \_\_\_\_\_)

Number of wells in AOR:

Total \_\_\_\_\_ (Abandon \_\_\_\_\_; Production \_\_\_\_\_; Injection \_\_\_\_\_)

Number of wells in zone of Endangering Influence: Total \_\_\_\_\_

Number of wells Requiring Corrective Action: Total \_\_\_\_\_ (list below)

Well	Type Well	Problem	Corrective Action Required
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Maximum Injection Pressure Calculation  $P_m = (\text{Frac Gradient} - (0.433 \times \text{Sp.Gr.})) \text{ depth}$ 

$$P_m = (0.75 - (0.433 \times 1.1)) \times 2496' = 683 \text{ (psi)}$$

Technical Review (Passed/Failed)



VERIFIED: X/YES \_\_\_/NO

OSAGE VERIFICATION FORM NO.: 924

(31)

WELL NUMBER: 4W

PROJECT/FIELD/UNIT: BLACKLAND MCCOMB #4W

IS LOCATED IN QTR SECTION: SW SECTION: 1 TOWNSHIP: 27 RANGE: 7

1650 FEET FROM THE: SOUTH LINE AND: 330 FEET FROM THE: WEST LINE

-----LEGAL OWNER-----

-----OPERATOR-----

NAME: TEXACO INC

TEXACO INC

STREET: PO BOX 2420

PO BOX 2420

CITY/ST/ZIP: TULSA

OK 74102

TULSA

OK 74102

TELEPHONE: (918) 560-6000

(918) 560-6000

WELL TYPE: ENHANCED RECOVERY

DRILLED ON: 08/26/53

GROUND ELEVATION IS: 1129 FEET

TOTAL DEPTH IS: 2554 FEET

PLUGGED BACK TO: 2515 FEET

CONVERTED ON: 01/21/69

STATUS IS: ACTIVE

PERMANENTLY ABANDONED ON: \_\_\_/\_\_\_/\_\_\_

TUBING AND CASING:	SIZE	DEPTH	CEMENT
SURFACE:	10.75 INCHES	230 FEET	225 SACKS
INTERMEDIATE:	___ INCHES	___ FEET	___ SACKS
PRODUCTION:	7.00 INCHES	2552 FEET	200 SACKS
TUBING SIZE:	2.88 INCHES	BORE HOLE SIZE: ___ INCHES	
DEPTH OF PACKER:	2468 FEET		

INJECTION DATA:

JAN 22 1985

INJECTION FLUID IS:

SALT WATER

INJECTION VOLUME IS:

547  
687 BARRELS/DAY MAX

WELL HEAD INJECTION PRESSURE IS:

373  
350 PSI MAX

INJECTION INTERVAL 1 IS FROM: 2496 FEET TO: 2514 FEET

FORMATION NAME IS: MISSISSIPPI

INJECTION INTERVAL 2 IS FROM: \_\_\_ FEET TO: \_\_\_ FEET

FORMATION NAME IS: \_\_\_\_\_

## OSAGE VERIFICATION FORM

\*\*\*\*\*

(31)

TYLER, C H  
916 SOUTH PETTIT  
HOMINY

OK 74035

FORM WELL#	FORM WELL#	FORM WELL#	FORM WELL#	FORM WELL#
**** *	**** *	**** *	**** *	**** *

942 20D

I CERTIFY THAT THE INFORMATION ON THE ENCLOSED VERIFICATION FORMS FOR  
THE ABOVE WELLS IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE

C. H. Tyler  
SIGNATURE OF OWNER/OPERATOR

12-4-84  
DATE

918-885-2477  
TELEPHONE NUMBER

RECEIVED

DEC 06 1984

EPA 6AWS  
REGION VI

01 FEB 1983

## INJECTION WELL DATA VALIDATION FORM NO. 924

31

## OWNERSHIP DATA

## WELL OPERATOR

TEXACO INC  
BOX 2420  
TULSA

OK 74102

## LEGAL OWNER

TEXACO INC  
BOX 2420  
TULSA

OK 74102

WELL NUMBER 4W IN THE (PROJECT/FIELD/UNIT) BLACKLAND MCCOMB #4W  
IS LOCATED IN TOWNSHIP 27, RANGE 7, SECTION 1, QTR SECTION SW  
1650 FEET FROM THE SOUTH LINE AND  
330 FEET FROM THE WEST LINE

## WELL DATA

WELL STATUS IS ACTIVE  
WELL TYPE IS ENHANCED RECOVERY  
DRILLED ON 08/26/53  
CONVERTED ON 01/21/69

SURFACE ELEVATION IS 1129 FEET  
TOTAL DEPTH IS 2554 FEET  
PLUGGED BACK TO 2515 FEET  
ABANDONED ON 0/0/0

## TUBING AND CASING

	SIZE	DEPTH	CEMENT SACKS
SURFACE	10.75 INCHES	230 FEET	225
INTERMEDIATE	<u>0.0</u> INCHES	<u>0</u> FEET	<u>0</u>
PRODUCTION	7.00 INCHES	2552 FEET	<u>200</u>
TUBING SIZE	2.88 INCHES		
DEPTH OF PACKER IS	2468 FEET		

## INJECTION DATA

INJECTION FLUID IS SALT WATER  
INJECTION VOLUME IS ~~687~~ BARRELS/DAY  
WELL HEAD INJECTION PRESSURE IS ~~350~~ PSI

INJECTION INTERVAL 1 IS FROM 2496 FEET TO ~~2503~~ 2514 FEET  
FORMATION IS MISSISSIPPI  
INJECTION INTERVAL 2 IS FROM ~~2510~~ FEET TO ~~2510~~ FEET  
FORMATION IS ~~MISSISSIPPI~~



050924  
050925  
050926

06

DATE: 12/15/05 BY: JS PERMIT# \_\_\_\_\_ ABR# LS0927WELL LOCATION: 1/4 Sec. SE 02 Twp 27 Range 07 Well# 2-B990 F S L and 2310 F W L**OWNER**Name: Wandering Star #1

Address: \_\_\_\_\_

City: \_\_\_\_\_ ST: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

**OPERATOR**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ ST: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

FILE AVAILABLE: \_\_\_\_\_ DATE CHECKED: \_\_\_\_\_ BIA APP. 11-22-05INTEREST OWNED: 100%**TYPE OF FINANCIAL RESPONSIBILITY**SINGLE LEASE \_\_\_\_\_ COUNTY LEASE X NATIONWIDE \_\_\_\_\_BONDS \_\_\_\_\_ CREDIT LETTER \_\_\_\_\_ ESCROW X CD \_\_\_\_\_AMOUNT OF FINANCIAL RESPONSIBILITY: \$ 50,000**SURETY**Name: Osage Federal

Address: \_\_\_\_\_

City: \_\_\_\_\_ ST: \_\_\_\_\_ Zip: \_\_\_\_\_

INFO REQUESTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**ENCLOSED**BOND X ASSIGNMENT X DATE SENT 12-15-05PREVIOUS OWNER: Hull Oil Co.

FORM F

Approved by the Secretary of the Interior  
March 20, 1952

CONTRACT NUMBER

14-20-G06-746

## OSAGE MINING LEASES

(Must be executed in duplicate)

Assignment of Blanket Oil Mining LeaseWHEREAS, The Secretary of the Interior has heretofore approved blanket oil mining lease, dated 4/5/66  
20. Entered into by and between Texaco Inc.lessee, and the  
Osage Tribe of Indians, lessor, covering the following described land in the Osage Reservation, State of Oklahoma:  
SW/4 Sec. 1 T27N R7E and SE/4 Sec. 2 T27N R7E(Blackland Cooperative Waterflood) 320 acres n/cNow, therefore, for and in consideration of (\$ 10.00), dollars the receipt of which is hereby acknowledged, the said  
John T. Hull d/b/a Hull Oil Company  
the lessee in the above described lease, hereby bargains, sells, transfers, assigns and conveys his entire 100%right, title and interest of the lessee in and to said lease, subject to the approval of the Secretary of the Interior, to:  
Wandering Star Partners No. 1, LLLP, 5105 DTC Parkway, Suite 450,  
Greenwood Village, CO 80111In Witness whereof the said lessee has hereunto set his hand this 12th day of October 20 05.  
ATTEST:Secretary  
(SEAL)John T. Hull d/b/a Hull Oil Company

## ACKNOWLEDGEMENT OF INDIVIDUAL

STATE OF OKLAHOMA COUNTY OF WASHINGTON, SS:  
Before me, a Notary Public, in and for said County and State on this 12th day of October 20 05,  
personally appeared John T. Hull d/b/a Hull Oil Company  
to me known to be the identical person who executed the within and foregoing and annexed instrument for the  
consideration and purposes therein mentioned and set forth, and I do hereby so certify.

Notary Public

My commission expires 9-5-08

## ACKNOWLEDGMENT OF CORPORATION

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_, SS:  
On this \_\_\_\_\_ day of \_\_\_\_\_ A.D. 20 \_\_\_\_\_ before me, a Notary Public within and for the State  
and County aforesaid, personally appeared \_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ to me personally known who, being by me duly sworn did each say that \_\_\_\_\_  
\_\_\_\_\_ is the \_\_\_\_\_ president and \_\_\_\_\_\_\_\_\_\_ is the secretary of \_\_\_\_\_  
\_\_\_\_\_ a corporation, and that the seal affixed to the foregoing and annexed instrument is the corporate  
seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board

of directors; and said \_\_\_\_\_  
and \_\_\_\_\_ duly acknowledged that they each had in their said  
official capacities executed the foregoing instrument as the act and deed of the said company for the consideration and  
purposes therein mentioned and set forth, I do hereby so certify.

Witness my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

### ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby  
accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of  
lease, when assigned, and the rules and regulations of the Secretary of the Interior, so far as applicable thereto and to furnish  
proper bond guaranteeing a faithful compliance with said lease and this assignment.

In Witness Whereof, the said assignee hereunto set its hand and seal the 12th day of October 2005

Attest:

Wandering Star Partners No. 1, LLLP

Secretary

BY: Mariah Exploration, LLC, its General Partner

(SEAL)

Chris Mauser, Manager

### CONSENT OF SURETY

The \_\_\_\_\_ of \_\_\_\_\_  
surety for \_\_\_\_\_ on the bond  
accompanying the lease above described, hereby consents to the assignment and transfer of said lease as above made and  
agrees that their original bond shall remain in full force and effect.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

FILE COPY

SURNAME

E. Acworth  
CB-MR OK  
B. Caldwell

CHANGE OF OPERATOR	
NEW OPERATOR	ISSUE LESSEE ID
1718	
NEW OR EXISTING BOND	
RETAINS	W.I.
MO. RPTS BY <u>Wandering Star Partners</u>	
1	# OF ASSIGNMENTS

8 Sur, on Escrow # 0110055640

DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS  
OSAGE AGENCY  
PAWHUSKA, OKLAHOMA

Approved:

NOV 22 2005

Under the authority delegated by  
209 DM 8, 230 DM 1, 3 IAM 4.1  
and Muskogee Area Addendum  
9901 to 3 IAM 4 issued June 22,  
1999.

The within assignment is hereby approved pursuant to authority  
delegated by 25 CFR 226.15 (b)

Minerals Assignments are categorical  
exclusions under 30 BIA M Supp. 1.

1020105 Althea  
Date \_\_\_\_\_ Agency Environmental Officer

Melissa Curvey  
SUPERINTENDENT



DATE: 12/15/05 BY: tg PERMIT# \_\_\_\_\_ ABR# 050924-4W  
050925-13W  
050926-14W

WELL LOCATION: SW 1/4 Sec. 01 Twp 27 Range 07 Well# \_\_\_\_\_

\_\_\_\_\_ F \_\_\_\_\_ L and \_\_\_\_\_ F \_\_\_\_\_ L

**OWNER** Name: Wandering Star Partners No. 1  
Address: 5105 DTC Pkwy - Ste 450  
City: Greenwood Village ST: CO Zip: 80111  
Phone: \_\_\_\_\_

**OPERATOR** Name: Same  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ ST: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_

FILE AVAILABLE: \_\_\_\_\_ DATE CHECKED: \_\_\_\_\_ BIA APP. 11-22-05  
INTEREST OWNED: 100%

**TYPE OF FINANCIAL RESPONSIBILITY**

SINGLE LEASE \_\_\_\_\_ COUNTY LEASE X NATIONWIDE \_\_\_\_\_

BONDS \_\_\_\_\_ CREDIT LETTER \_\_\_\_\_ ESCROW X CD \_\_\_\_\_

AMOUNT OF FINANCIAL RESPONSIBILITY: \$ 50,000

**SURETY** Name: Osage Federal  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ ST: \_\_\_\_\_ Zip: \_\_\_\_\_

INFO REQUESTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**ENCLOSED**

BOND X ASSIGNMENT X DATE SENT 12-15-05

PREVIOUS OWNER: True Oil Co.

FORM F

Approved by the Secretary of the Interior  
March 20, 1952

CONTRACT NUMBER

14-20-G06-3412 ✓

## OSAGE MINING LEASES

(Must be executed in duplicate)

Assignment of Gas Mining ✓ LeaseWHEREAS, The Secretary of the Interior has heretofore approved gas ✓ mining lease, dated 1/30/74 ✓20 Entered into by and between Texaco, Inc. ✓lessee, and the  
Osage Tribe of Indians, lessor, covering the following described land in the Osage Reservation, State of Oklahoma:SW/4 Sec. 1 T27 N R7E160 acres m/c ✓Now, therefore, for and in consideration of (\$ 10.00), dollars the receipt of which is hereby acknowledged, the said  
John T. Hull d/b/a Hull Oil Company ✓  
the lessee in the above described lease, hereby bargains, sells, transfers, assigns and conveys all his 100% ✓right, title and interest of the lessee in and to said lease, subject to the approval of the Secretary of the Interior, to:  
Wandering Star Partners No. 1, LLLP, 5105 DTC Parkway, Suite 450,  
Greenwood Village, CO 80111In Witness whereof the said lessee has hereunto set his hand this 12th day of October 20 05.  
ATTEST:Secretary  
(SEAL)John T. Hull d/b/a Hull Oil Company

## ACKNOWLEDGEMENT OF INDIVIDUAL

STATE OF OKLAHOMA COUNTY OF WASHINGTON, SS:Before me, a Notary Public, in and for said County and State on this 12th day of October 20 05,  
personally appeared John T. Hull d/b/a Hull Oil Company  
to me known to be the identical person who executed the within and foregoing and annexed instrument for the  
consideration and purposes therein mentioned and set forth, and I do hereby so certify.

Notary Public

My commission expires 9.5.08

## ACKNOWLEDGMENT OF CORPORATION

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_, SS:

On this \_\_\_\_\_ day of \_\_\_\_\_ A.D. 20\_\_\_\_ before me, a Notary Public within and for the State  
and County aforesaid, personally appeared \_\_\_\_\_ and \_\_\_\_\_

to me personally known who, being by me duly sworn did each say that \_\_\_\_\_

is the \_\_\_\_\_ president and \_\_\_\_\_

is the secretary of \_\_\_\_\_

a corporation, and that the seal affixed to the foregoing and annexed instrument is the corporate  
seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board

of directors; and said \_\_\_\_\_  
and \_\_\_\_\_ duly acknowledged that they each had in their said  
official capacities executed the foregoing instrument as the act and deed of the said company for the consideration and  
purposes therein mentioned and set forth, I do hereby so certify.

Witness my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

Notary Public

My commission expires \_\_\_\_\_

### ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby  
accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of  
lease, when assigned, and the rules and regulations of the Secretary of the Interior, so far as applicable thereto and to furnish  
proper bond guaranteeing a faithful compliance with said lease and this assignment.

In Witness Whereof, the said assignee hereunto set its hand and seal the 12th day of October 2005

Attest:

Wandering Star Partners No. 1, LLLP

Secretary

BY: Mariah Exploration, LLC, its General Partner

(SEAL)

Chris Mauter, Manager

### CONSENT OF SURETY

The \_\_\_\_\_ of \_\_\_\_\_  
surety for \_\_\_\_\_ on the bond  
accompanying the lease above described, hereby consents to the assignment and transfer of said lease as above made and  
agrees that their original bond shall remain in full force and effect.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

<b>CHANGE OF OPERATOR</b>	
NEW OPERATOR	ISSUE LESSEE ID
<u>1718</u>	
<b>NEW OR EXISTING BOND</b>	
RETAINS	W.I.
MO. RPTS BY <u>Wandering Star Partners</u>	
<u>1</u>	# OF ASSIGNMENTS

\$ 50,000 Escrow # 0110055640

DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS  
OSAGE AGENCY  
PAWTHUSKA, OKLAHOMA

NOV 22 2005

Approved:

Under the authority delegated by  
209 DM 8, 230 DM 1, 3 IAM 4.1  
and Muskogee Area Addendum  
9901 to 3 IAM 4 issued June 22,  
1999.

The within assignment is hereby approved pursuant to authority  
delegated by 25 CFR 226.15 (b)

Minerals Assignments are categorical  
exclusions under 30 BIAM Supp. 1.

Date 10/20/05 [Signature]  
Agency Environmental Officer

SUPERINTENDENT



COPY

Escrow Bank: OSAGE FEDERAL BANK  
 Bank Address: PO BOX 26 - PAWLEHA, OK 74056  
 Date: 09-26-05

WE, THE UNDERSIGNED WINTERING STAR PARTNERS #1 LLP, and the SUPERINTENDENT, OSAGE AGENCY, BUREAU OF INDIAN AFFAIRS (The "Superintendent") hereby deposit with OSAGE FEDERAL BANK ("escrow bank") the following monies to-wit:

FIFTY THOUSAND AND NO/100 DOLLARS (\$50,000)

Which shall be held by the said bank in escrow under the following instruction, to-wit:

- (a) The account shall be designated as the OSAGE FEDERAL BANK - Osage Account # 0110055640. Said certificate of deposit shall be purchased and owned by WINTERING STAR PARTNERS #1 LLP subject to conditions set forth below;
- (b) The Escrow Funds will be invested in 6 MONTHS certificates of deposit and shall be automatically reinvested at then existing interest rates until the Escrow Agreement is terminated;
- (c) The superintendent may draft upon the Escrow funds upon the submission to the Escrow Agency of a sworn affidavit by the Superintendent stating that (i) WINTERING STAR PARTNERS #1 LLP default with regard to its obligations under Department of Interior regulations governing oil &/or gas leases covering lands located within Osage County, Oklahoma and (ii) the Superintendent has given WINTERING STAR PARTNERS #1 LLP thirty (30) days notice of such default (including a specific description of the default) and the opportunity to cure same within said thirty (30) day period; unless said default is the subject of litigation in which case said funds shall remain in escrow;
- (d) Any funds remaining in the Escrow Account on the termination date (as defined below) will be distributed to WINTERING STAR PARTNERS #1 LLP;
- (e) All accrued interest shall be credited to WINTERING STAR PARTNERS #1 LLP and not added to the certificate of deposit;

Subject, however, to the following terms, exceptions, provision and conditions.

1. The escrow bank shall be liable as a depository only and shall not be responsible for the sufficiency or accuracy of the form, execution or validity of documents deposited hereunder, or any description of property or other things therein, nor shall it be liable in any respect on account of the identity, authority, or rights of the persons executing or delivering or purporting to execute or deliver any such document or paper.
2. The escrow bank, as part of the consideration for the acceptance of this escrow, shall not be liable for any acts or omissions done in good faith, nor for any claims, demands or losses, nor for any damages made and suffered by any party to this escrow, excepting such as may arise through or be caused by its willful or gross negligence.
3. The escrow bank shall not be liable for collection items until the proceeds of the same in actual cash have been received, and in making collections of items deposited hereunder, the parties hereto agree that the escrow bank may collect the same under the procedures customarily employed by it in handling other collections, nor shall it be liable for the default in payment of any installment of principal or interest nor shall it be liable for failure to demand payment of any instrument, present the same for payment or protest the same or given notice of protest of nonpayment thereof, nor the outlawing of any rights under the Statute of Limitations in respect to any document deposited, nor for interest on any deposit of money. It may rely upon any paper, document, or other writing believed by it to be authentic in making any delivery of money or property hereunder. The escrow bank shall in no way be responsible nor shall it be its duty to notify any party hereto or party interested in this escrow deposit of any payment or maturity, under the terms of any instrument deposited herewith.

4. It is agreed that this escrow contract shall not be terminated until the Superintendent authorizes such termination in writing or Bank gives 30 days written notice of its desire to cease serving as escrow agent.

5. It is further understood and agreed between the parties that these instruments supersede any other contract with reference to this escrow deposit, insofar as said escrow bank is concerned, and that the said bank may rely absolutely hereon to the exclusion of any and all other agreements between the parties hereto.

6. This Agreement shall be binding on the successors and assigns of the parties hereto.

7. This Agreement may be amended by written instrument executed by all parties.

8. ~~WARRING STAR PARTNERS #1 LLP~~ may assign its interest in the Escrow Account subject to the approval of the Superintendent and the escrow bank.

9. The escrow bank shall provide ~~WARRING STAR PARTNERS #1 LLP~~ and the Superintendent with semi-annual statements reflecting the balances and activity of the Escrow Account.

10. The escrow bank shall be paid an escrow fee of \$ - 0 - for each certificate so issued.

11. This certificate of deposit shall be subject to all normal banking rules and regulations including Regulation Q.

#### PARTIES TO ESCROW CONTRACT

CHARS. MOETER WARRING STAR PARTNERS #1 LLP  
(PRINTED NAME OF COMPANY OR INDIVIDUAL)

\_\_\_\_\_  
(SIGNATURE OF COMPANY AGENT OR INDIVIDUAL)

APPROVED: SEP 29 2005

Under the authority delegated by 209 DM 8,  
230 DM 1, 3 IAM 4.1 and Muskogee Area  
Addendum 9901 to 3 IAM 4 issued June 22, 1999

/s/ LARRAINE WILCOX

ACTING SUPERINTENDENT, OSAGE AGENCY  
BUREAU OF INDIAN AFFAIRS

#### ACCEPTED:

Osage Federal Bank 918-287-2919  
Bank Telephone No.

P.O. Box 26 - Pawhuska, OK. 74056  
Address of Bank

Stephen Laird - Manager Savings  
BY: Signature and Title of Bank Officer

#### RECEIPT AND RELEASE

All monies, documents and papers relative to this escrow deposit have been received to our entire satisfaction this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, and the escrow bank herein relieved from all further liability or responsibility with reference thereto.

Date: \_\_\_\_\_



# United States Department of the Interior

## BUREAU OF INDIAN AFFAIRS

Osage Agency  
P.O. Box 1539  
Pawhuska, Oklahoma 74056-1539



DEC -1 2005

### WEEKLY LEASE CHANGES FOR THE WEEK ENDING NOVEMBER 25, 2005

#### ASSIGNMENTS

##### OIL AND GAS MINING LEASES:

*053385*

NW 27-28-09	G06-18735	Jones & Buck Development assigned all of its 100% interest to
SW 27-28-09	G06-18736	Grace Oil Company.
NE 28-28-09	G06-18737	
SE 28-28-09	G06-18738	
<i>5220</i>		
NE 15-22-08	G06-17429	E. Nossaman Oil, Inc. and S.L. Nossaman assigned all of their
NW 15-22-08	G06-17430	100% interest to Superior Oil & Gas LLC.
<i>4891</i>		
NE 19-24-11	G06-17184	Tami D. & William C. Spurgeon assigned all of their 1% interest
		and Lonnie Ware assigned all of his 99% interest to Patriot
		Energy Resources, LLC.

##### OIL MINING LEASES:

NW 19-24-11	201-1732	Tami D. & William C. Spurgeon assigned all of their 1% interest
SE 19-24-11	201-1733	and Lonnie Ware assigned all of his 99% interest to Patriot
NW 20-24-11	G06-2024	Energy Resources, LLC.

##### GAS MINING LEASE:

*924*  
*925*  
*926*

SW 01-27-07	G06-3412	John T. Hull dba Hull Oil Company assigned all of his 100% interest to Wandering Star Partners No. 1, LLLP.
-------------	----------	---

##### BLANKET OIL MINING LEASES:

*924*  
*925*  
*926*  
*927*

SW 01 & SE 02		
ALL IN 27-07	G06-746	John T. Hull dba Hull Oil Company assigned all of his 100% interest to Wandering Star Partners No. 1, LLLP.

*Melissa Curvey*  
SUPERINTENDENT



DATE 3-28-01 BY: NJP PERMIT # \_\_\_\_\_ ABR \_\_\_\_\_  
Well Location: 1/4 Sec. SW Sec. 1 Twp 27 Rge 7 Well # 05 0924

\_\_\_\_\_ F \_\_\_\_\_ L AND \_\_\_\_\_ F \_\_\_\_\_ L

## OWNER

NAME: John T. Hull dba Hull Oil Co.

ADDRESS: P.O. Box 1268

CITY: Pawhuska STATE: OK ZIP: 74056

PHONE: ( )

## OPERATOR:

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_

FILE AVAILABLE: \_\_\_\_\_ DATE CHECKED: \_\_\_\_\_

BIA APPROVED: 3-01

INTEREST OWNED: 100% John T. Hull, dba Hull Oil Co.

## TYPE OF FINANCIAL RESPONSIBILITY:

SINGLE LEASE: ☒ COUNTY LEASE: \_\_\_\_\_ NATION WIDE: \_\_\_\_\_

BONDS: ☒ LETTER OF CREDIT: \_\_\_\_\_ ESCROW: \_\_\_\_\_ CERT. OF DEPOSIT: \_\_\_\_\_

AMOUNT OF FINANCIAL RESPONSIBILITY: \$ 5,000.00

SURETY: NAME: The Holmes Organization Inc.

ADDRESS: P.O. Box 35287

CITY: Tulsa STATE: OK ZIP: 74153-0287

INFO REQUESTED BY: NJP DATE INFO REQUESTED: \_\_\_\_\_

COPY OF: BOND: ☒ ASSIGNMENT: \_\_\_\_\_ COPIES SENT: \_\_\_\_\_ DATE SENT: \_\_\_\_\_

PREVIOUS OWNER: NAME: Drummond & Hull

MAY 22

MAY 08, 03

4/30/03

Form H  
September 1960

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

BOND NO. RLB0002776

**BOND TO ACCOMPANY ASSIGNMENT OF  
MINING LEASES OF OSAGE LANDS**

KNOW ALL MEN BY THESE PRESENTS, That we, John T. Hull d/b/a Hull Oil Company

of P.O. Box 1268, Pawhuska, OK 74056, as principal, and RLI Insurance Company, 8 Greenway Plaza, Suite 400 of Houston, Texas 77046, as surety,

are held and firmly bound unto the United States of America in the sum of Five Thousand and No/100 Dollars, lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves, and each of us, our and each of our heirs, successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this 4th day of January, 2001.

The condition of this obligation is such that whereas Drummond & Hull Oil Company (Name of

original lessee), as lessee, entered into a certain indenture of lease dated 1-30-74, with the Osage Tribe of Indians, lessor, obligee hereunder, for the lease of a tract of land described as follows: SW/4 Sec. 1 T27N R7E

and located in Osage County, Oklahoma, for oil mining purposes for the period of five years from the date of approval thereof, and as much longer thereafter as oil is found in paying quantities, provided that the term of this lease shall not extend beyond the date when the title to minerals ceases to be in the Osage Tribe.

WHEREAS, thereafter the lessee, the said Drummond & Hull Oil Company

assigned all its right, title, and interest in and to the above-described lease to the said principal, herein and subject to all the conditions and provisions in said lease contained.

WHEREAS the surety... hereby waives any right to notice of any modification of such lease, or obligation thereunder, whether effected to extension of time for performance, by commitment of such lease to unit, cooperative, or communitization agreement, by waiver, suspension, or change in rental, except an increase thereof, by minimum royalty payment, except an increase thereof, by compensatory royalty payment, or otherwise, this bond to remain in full force and effect notwithstanding.

WHEREAS the principal... and surety... agree that the neglect or forbearance of the obligee in enforcing against the assignee, principal... the payment of any rental or royalty or the performance of any other covenant, condition, or agreement of the lease, shall not, in any way release the principal... and surety..., or either of them, from any liability under this bond; and

WHEREAS the principal... and surety... agree that in the event of any default under such lease, the obligee may prosecute any claim, suit, action, or other proceeding against the principal... or surety... or either of them, without the necessity of joining the other.

Now, if the said principal... herein shall faithfully carry out and observe all the obligations assumed in said indenture and assignment of lease and shall observe all the laws of the United States and regulations made, or which shall be made thereunder, for the government of trade and intercourse with Indian tribes, and all the rules and regulations that have been, or may hereafter be, lawfully prescribed by the Secretary of the Interior relative to leases executed by the Osage Tribe in Oklahoma, then this obligation shall be null and void; otherwise to remain in full force and effect.

The rate of premium charged on this bond is \$.....; the total premium paid is \$.....

Signed and sealed in the presence of--

WITNESSES:\*

BY:..... John T. Hull d/b/a Hull Oil Company

P. O. .... as to ..... (SEAL)

BY:.....  
P. O. ....

BY:..... RLI Insurance Company  
8 Greenway Plaza, Suite 400  
P. O. Houston, Texas 77046  
BY:..... as to ..... (SEAL)  
8 Greenway Plaza, Suite 400  
P. O. Houston, Texas 77046  
Greg E. Chilson, Attorney-in-Fact

.....  
P. O. .... as to ..... (SEAL)  
.....  
P. O. ....

\*Two witnesses to all signatures.

Surety Agent The Holmes Organisation, Inc., Address P.O. Box 35287, Tulsa, OK 74153-0287

Date .....

The within bond is hereby approved pursuant to authority delegated by 25 CFR 183.6.

Chief Branch of Minerals.  
Auth.: 34 F.R. 15212





9026 North Lindbergh Dr. • Peoria, IL 61615  
(309) 682-1000 or (800) 645-2402

BOND NO. RLB0002776

# POWER OF ATTORNEY

RLI Insurance Company

## Know All Men by These Presents:

That the RLI INSURANCE COMPANY, a corporation organized and existing under the laws of the State of Illinois, and authorized and licensed to do business in all states and the District of Columbia does hereby make, constitute and appoint: GREG E. CHILSON in the City of HOUSTON, State of TEXAS, as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, all of the following classes of documents to-wit:

\$5,000.00

Indemnity, Surety and Undertakings that may be desired by contract, or may be given in any action or proceeding in any court of law or equity; policies indemnifying employers against loss or damage caused by the misconduct of their employees; official, bail and surety and fidelity bonds. Indemnity in all cases where indemnity may be lawfully given; and with full power and authority to execute consents and waivers to modify or change or extend any bond or document executed for this Company, and to compromise and settle any and all claims or demands made or existing against said Company.

The RLI INSURANCE COMPANY further certifies that the following is a true and exact copy of a Resolution adopted by the Board of Directors of RLI Insurance Company, and now in force to-wit:

All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or Agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

(Blue shaded areas above indicate authenticity)

IN WITNESS WHEREOF, the RLI Insurance Company has caused these presents to be executed by its CHAIRMAN, CEO with its corporate seal affixed this

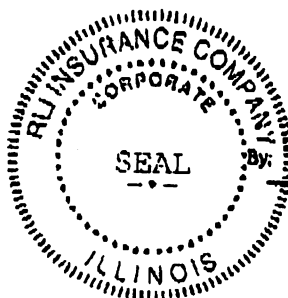
ATTEST:

Carmille J. Hensey  
Corporate Secretary

State of Illinois

County of Peoria

SS



RLI INSURANCE COMPANY

By: Gerald D. Stephens  
Chairman, CEO

On this 4 day of Jan., 2001 before me, a Notary Public, personally appeared Gerald D. Stephens and Carmille J. Hensey, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as Chairman, CEO and Corporate Secretary, respectively, of the said RLI INSURANCE COMPANY, and acknowledged said instrument to be the voluntary act and deed of said corporation.

Cynthia S. Dohm  
Notary Public

"OFFICIAL SEAL"  
CYNTHIA S. DOHM  
NOTARY PUBLIC, STATE OF ILLINOIS  
MY COMMISSION EXPIRES 02/24/02

2003 MAY - 1 AM 10:12

IMAGING ROOM  
RECEIVED

05

dmc  
5-29-91

Date: 91/05/20

United States Environmental Protection Agency  
Region 6  
Underground Injection Control SystemPage No. 5  
Invrpt No. 4

Uic Key Number: OS092400

## =====G E N E R A L I N F O R M A T I O N=====

002 Formno: 0924	016 Grndel: 001129	030 Pckrdp: 002468
003 Qtrsec: SW	017 Totdep: 002554	031 Fludtp: 1
004 Sectno: 01	018 Pluggd: 002515	032 Injvol: <del>000547</del> Black
005 Twnshp: 27N	019 Welltp: 2	033 Rptvol: 023877
006 Ranges: 07E	020 Abndon:	034 Injprs: <del>0573</del> 683
007 Quadrn: N	021 Surfsz: 10.75	035 Rptprs: 0320
008 Lglloc: 1650S0330W	022 Surfdd: 000230	036 Fstdep: 002496
009 Wellid: 4W	023 Surfcm: 0225	037 Fstfet: 002514
010 Projct: BLACKLAND	024 Intrsz: <del>000000</del> K	038 Fstnme: 048
011 Owncod: B0209	025 Intrdp: <del>000000</del> K	039 Secdep: <del>000000</del> K
012 Oprcod: B0209	026 Intrcm: <del>0000</del> K	040 Secfet: <del>000000</del> K
013 Verify: Y	027 Prodsz: 7.00	041 Secnme:
014 Wellst: 10489	028 Proddp: 002552	042 Swelev: 0637
015 Drilld: 53/08/26	029 Prodcm: 0200	043 Divisn: 2N

## =====A U T H O R I Z E D D A T A=====

044 Flrvdt: 86/02/11	053 Mitdte: 91/04/05
045 Flrvwr: SJ Operator: DRUMMOND & HULL OIL CO	054 Mitmth: B
046 Flrvrs: P PO BOX 1268	055 Mitwtn: AY
047 Flrvcm: <del>PA</del> PAWHUSKA OK 74056	056 Mitres: P
048 Flstcg:	057 Mitstc: 87/02/24
049 Mtrsch: Owner: DRUMMOND & HULL OIL CO	058 Rptlvl: 3/25
050 Mtrcod: PO BOX 1268	059 Arptrc: 91/04/18
051 Mtrcnt: <del>PA</del> PAWHUSKA OK 74056	060 Mnlprs:
052 Mitcan:	061 Plugdt:

## =====P E R M I T T E D D A T A=====

062 Prmnum:	075 Pubhrn:	088 Fnlnod:
063 Tgisdt:	076 Rspcmt:	089 Pmterm:
064 Prmtyp:	077 Athinj:	090 Pmtexp:
065 Aprcdt:	078 Pmisdt:	091 Injbgn:
066 Appldt:	079 Pmefdt:	092 Totaor:
067 Emrgrq:	080 Apladm:	093 Abndor:
068 Apindt:	081 Admndt:	094 Prdaor:
069 Apcpdt:	082 Pmtmod:	095 Injaor:
070 Apwddt:	083 Modcnt:	096 Total1:
071 Emrgdt:	084 Drfmod:	097 Total2:
072 Drftdt:	085 Pubmod:	098 Total3:
073 Pubnot:	086 Cmtmod:	099 Total4:
074 Cmtend:	087 Hngmod:	100 Total5:

## =====I N S P E C T I O N D A T A=====

101 Insdue:	106 Insflw: A	111 Insrea: SEC
102 Insfrq: NR	107 Inslqr:	112 Viotyp:
103 Insdat: 89/01/31	108 Ins2qr:	113 Lastup: 91/04/19
104 Insptr: CE	109 Ins3qr:	114 Active: A
105 Insrsl: 1	110 Ins4qr:	115 Prvath:
116 Userid: PXX	117 Cnvdat:	118 Delrea:
119 Deldat:	120 Latcod: 365041	121 Loncod: 963033
122 County: 113	123 Tribes:	124 Pmtdyn:
125 Emrdny:	126 Rptani:	

RW  
5-23-91



09 MAY 2017

Scan Code: 21

REPLY TO: 6WQ-S

Certified Mail #7015 1520 0003 3990 6964 - Return Receipt Requested

Mr. David House, President  
Jireh Resources, LLC  
5206 E 110th PL  
Tulsa, Oklahoma 74137

Re: Requiring Existing Injection Well (Authorized by Rule) to Apply for a Permit

Inventory No.: OS0924  
Well No.: 4W  
Location: SW/4, Sec. 1, T 27N, R 7E, 1650' FSL, 330' FWL  
Osage County, Oklahoma

Dear Mr. House:

Elevated levels of salinity in an upper tributary of North Bird Creek were confirmed during an Environmental Protection Agency (EPA) inspection conducted on August 16, 2016, and subsequent inspections. The chemical analysis of the fluid has confirmed it is from the Mississippi Lime/Chat. The presence of this fluid at the surface by migration through the underground source of drinking water (USDW) indicates the USDW is threatened. The referenced injection well is near the impacted area and is currently authorized by rule. This action is taken in accordance with the Underground Injection Control (UIC) program regulations (40 CFR Part 147.2915 "Requiring a permit for wells authorized by rule"), which state the "protection of USDWs requires that the injection operation be regulated by requirements which are not contained in the rule."

Therefore, you are required to submit a permit application for the referenced well to the EPA's Osage UIC Office in Pawhuska no later than 45 days after the date you receive this letter. Permit application materials are enclosed for your use. All information in the application and as listed in the regulations (40 CFR 147.2918, "Permit application information") must be submitted.

Additionally, UIC program regulations (40 CFR 147.2903 "Prohibition of unauthorized injection") state "no owner or operator shall construct, operate, maintain, convert, plug, or abandon any injection well...in a manner that allows movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation...or may adversely affect the health of persons." The UIC regulations (40 CFR 147.2918, "Permit application information") also state, "the applicant has the burden to show the proposed injection activities will not endanger USDWs."

In accordance with UIC program regulations (40 CFR Part 147.2915(a)(2)), EPA is requiring additional information to be submitted for use in EPA's permitting decision process. Within 30 days of receipt of this letter you are required to begin daily monitoring of injection pressure and injection rate, and indicate whether operations are on a continuous or cyclic basis. You are required to submit such information to EPA on a weekly basis until a final permit decision becomes effective, at which time you must follow the condition of your permit. EPA will provide you further information on the format, method of submittal, and to whom submittal shall be made. Also, all pressure and rate data collected since your last annual report shall be included with your permit application. This will not affect your obligation for monthly monitoring and reporting under 40 CFR 147.2913.

You are currently authorized by rule to conduct injection operations at this well. However, UIC regulations (40 CFR 147.2915(c)) state, "Injection is no longer authorized by rule upon the effective date of a permit or permit denial, or upon failure of the owner/operator to submit an application in a timely manner as specified" in this notice. Upon termination of authorization by rule, use of the well for fluid injection would be prohibited except under a permit.

If you have any questions, or would like to discuss this decision, please contact Phil Dellinger in our Dallas office at (214) 665-8324. If you need additional information or assistance in preparing your permit application, please contact the Osage UIC office in Pawhuska at (918) 287-5333.

Sincerely yours,

William K. Honker, P.E., Director  
Water Division

Enclosures

cc: with enclosures  
BIA, Minerals Branch  
Osage UIC Office

Lanny Woods  
Jireh Resources, LLC  
P.O. Box 701230  
Tulsa, OK 74170

6WQ-SG: CTINGEY: 5/9/2017: OS0924

6WQ-SG 6WQ-S *5/9/2017*

DELLINGER BROWN

*5/9/17*

*Brown 5/11/17*

*Harrison*

*5/9/17*

7015 1520 0003 3990 6964

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
OFFICIAL USE	
Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To <u>David House</u>	
<u>Jireh Resources, LLC</u>	
<u>Street and Apt. No., or PO Box No.</u>	
<u>5206 E 110th PL</u>	
<u>City, State, ZIP+4®</u>	
<u>Tulsa, OK 74137</u>	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

2562 1952 4072 0003 0000 0251 5102

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
OFFICIAL USE	
Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To <u>Lanny Woods</u>	
<u>Jireh Resources LLC</u>	
<u>Street and Apt. No., or PO Box No.</u>	
<u>P.O. Box 701230</u>	
<u>City, State, ZIP+4®</u>	
<u>Tulsa, OK 74170</u>	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS TX 75202-2733

REPLY TO: 6WQ-S

09 MAY 2017

Certified Mail #7015 1520 0003 3990 6964 - Return Receipt Requested

Mr. David House, President  
Jireh Resources, LLC  
5206 E 110th PL  
Tulsa, Oklahoma 74137

Re: Requiring Existing Injection Well (Authorized by Rule) to Apply for a Permit

Inventory No.: OS0924  
Well No.: 4W  
Location: SW/4, Sec. 1, T 27N, R 7E, 1650' FSL, 330' FWL  
Osage County, Oklahoma

Dear Mr. House:

Elevated levels of salinity in an upper tributary of North Bird Creek were confirmed during an Environmental Protection Agency (EPA) inspection conducted on August 16, 2016, and subsequent inspections. The chemical analysis of the fluid has confirmed it is from the Mississippi Lime/Chat. The presence of this fluid at the surface by migration through the underground source of drinking water (USDW) indicates the USDW is threatened. The referenced injection well is near the impacted area and is currently authorized by rule. This action is taken in accordance with the Underground Injection Control (UIC) program regulations (40 CFR Part 147.2915 "Requiring a permit for wells authorized by rule"), which state the "protection of USDWs requires that the injection operation be regulated by requirements which are not contained in the rule."

Therefore, you are required to submit a permit application for the referenced well to the EPA's Osage UIC Office in Pawhuska no later than 45 days after the date you receive this letter. Permit application materials are enclosed for your use. All information in the application and as listed in the regulations (40 CFR 147.2918, "Permit application information") must be submitted.

Additionally, UIC program regulations (40 CFR 147.2903 "Prohibition of unauthorized injection") state "no owner or operator shall construct, operate, maintain, convert, plug, or abandon any injection well....in a manner that allows movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation...or may adversely affect the health of persons." The UIC regulations (40 CFR 147.2918, "Permit application information") also state, "the applicant has the burden to show the proposed injection activities will not endanger USDWs."

In accordance with UIC program regulations (40 CFR Part 147.2915(a)(2)), EPA is requiring additional information to be submitted for use in EPA's permitting decision process. Within 30 days of receipt of this letter you are required to begin daily monitoring of injection pressure and injection rate, and indicate whether operations are on a continuous or cyclic basis. You are required to submit such information to EPA on a weekly basis until a final permit decision becomes effective, at which time you must follow the condition of your permit. EPA will provide you further information on the format, method of submittal, and to whom submittal shall be made. Also, all pressure and rate data collected since your last annual report shall be included with your permit application. This will not affect your obligation for monthly monitoring and reporting under 40 CFR 147.2913.

You are currently authorized by rule to conduct injection operations at this well. However, UIC regulations (40 CFR 147.2915(c)) state, "Injection is no longer authorized by rule upon the effective date of a permit or permit denial, or upon failure of the owner/operator to submit an application in a timely manner as specified" in this notice. Upon termination of authorization by rule, use of the well for fluid injection would be prohibited except under a permit.

If you have any questions, or would like to discuss this decision, please contact Phil Dellinger in our Dallas office at (214) 665-8324. If you need additional information or assistance in preparing your permit application, please contact the Osage UIC office in Pawhuska at (918) 287-5333.

Sincerely yours,



William K. Honker, P.E., Director  
Water Division

Enclosures

cc: with enclosures  
BIA, Minerals Branch  
Osage UIC Office

Lanny Woods  
Jireh Resources, LLC  
P.O. Box 701230  
Tulsa, OK 74170

Invento. No.: OS4081/OS6225  
Scan Code: 33

050922/050924/  
050926/054859/  
056213/056320

JUN 24 2013

REPLY TO: 6EN-WR

Mr. Lanny Woods  
Jireh Resources, LLC  
2526 East 7<sup>th</sup> Street, Suite A  
Tulsa, OK 74136

Re: Notice of Overdue Annual Well Operation Reports  
Inventory No. Well No. Location - Osage County, Oklahoma

OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS4859	14	NE/4, Sec. 22, T29N, R 9E
OS6213	15	SW/4, Sec. 1, T27N, R 7E
OS6320	18W	SW/4, Sec. 1, T27N, R7E

Dear Mr. Woods:

To date, we have not received required annual operation reports for the referenced wells for the period April 2012 through March 2013. Please submit the required reports to this office within 15 days. The reports must include the information on the enclosed forms. The Environmental Protection Agency (EPA) permit for Well No. 15 requires you to include the results of a fluid level measurement from the well with the annual report. Please show the results of that measurement on the enclosed form for the well.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or already submitted the required reports, please contact Emma Cornelius at 214-665-6479.

Sincerely yours

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WCCORNELIUS:6/17/13:code K

H\6EN\6EN-W\WC\CORNELIUS\2013\Jireh-2

fw  
6/18/13



Invento. No.: OS4081/OS6225Scan Code: 33040926/054859  
056213/056222

JUN 8 2012

REPLY TO: 6EN-WR

Mr. Lanny Woods  
Jireh Resources, LLC  
2526 East 7st Street, Suite A  
Tulsa, OK 74136

Re: Notice of Overdue Annual Well Operation Reports  
Inventory No. Well No. Location - Osage County, Oklahoma

OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS4859	14	NE/4, Sec. 22, T29N, R 9E
OS6213	15	SW/4, Sec. 1, T27N, R 7E
OS6222	10	NW/4, Sec. 1, T27N, R 7E

Dear Mr. Woods:

To date, we have not received required annual operation reports for the referenced wells for the period April 2011 through March 2012. Please submit the required reports to this office within 15 days. The reports must include the information on the enclosed forms. The Environmental Protection Agency (EPA) permit for Well No. 15 requires you to include the results of a fluid level measurement from the well with the annual report. Please either show the results of that measurement on the enclosed form for the well or attach the information on a separate sheet of paper attached to the enclosed form.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or already submitted the required reports, please contact Ronald Van Wyk at 214-665-6459.

Sincerely yours

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:rvanwyk:6/5/12:code K

H:\6EN\6EN-W\WR\VANWYK\2012\Jireh-2



# United States Department of the Interior

## BUREAU OF INDIAN AFFAIRS

Osage Agency

P.O. Box 1539

Pawhuska, Oklahoma 74056-1539

MAY 24 2012



## WEEKLY LEASE CHANGES FOR WEEK ENDING APRIL 20, 2012

### TERMINATIONS

SW 01-27-07 G06-3412

Wandering Star Partners No. 1, LLLP

Termination of Gas Mining Lease, for failure to produce gas in paying quantities, effective April 3, 2012. 160 acres, more or less.

NE 16-24-09 G06-21444 ✓

Rainbow Oil &amp; Gas Company

Termination of Oil &amp; Gas Mining Lease (less Coal Bed Methane), for non-development and expiration of primary term, effective November 24, 2011. 160 acres, more or less.

SW 15-24-12 G06-21263

Grand Resources, Inc.

Termination of Oil &amp; Gas Mining Lease (less Coal Bed Methane), for non-production and expiration of primary term, effective November 13, 2011. 160 acres, more or less.

NE 22-24-12 G06-21148 ✓

Grand Resources, Inc.

NW 22-24-12 G06-21149

Termination of Oil &amp; Gas Mining Leases (less Coal Bed Methane), for non-production and expiration of primary term, effective November 20, 2011. 160 acres, more or less.

### ASSIGNMENTS

#### OIL AND GAS MINING LEASES (LESS COAL BED METHANE):

NW 03-27-11 G06-20595 ✓

SW 27-28-11 G06-20599 ✓

SE 28-28-11 G06-18837 ✓

NE 33-28-11 G06-18838 ✓

SW 33-28-11 G06-20596 ✓

NW 34-28-11 G06-20598 ✓

Chad Farris assigned all of his 15% interest to B &amp; M Oil &amp; Gas, LLC. approved April 16, 2012.

**WEEKLY LEASE CHANGES FOR WEEK ENDING APRIL 20, 2012****ASSIGNMENTS - CONTINUED****OIL AND GAS MINING LEASE:**OSAS33  
SW 34-28-11 G06-9558

Chad Farris assigned all of his 15% interest to B & M Oil & Gas, LLC.  
approved April 16, 2012.

**SUMMARY**

5 TERMINATIONS  
7 ASSIGNMENTS

  
SUPERINTENDENT, OSAGE AGENCY



2526 East 71st Street, Suite A, Tulsa, OK 74136  
Phone 918 895-7870 • Fax 918 895-7871 • [www.jirehresourcesllc.net](http://www.jirehresourcesllc.net)

January 2, 2012

RE: Jireh Resources LLC copy of Osage County assignments

Osage Nation Environmental & Natural Resources Department  
Underground Injection Control Program  
P.O.Box 1495  
100 W. Main Street. Suite 303  
Pawhuska, Oklahoma 74056

Dear Mr. Van Wyk:

Please find enclosed with this letter a copy of the assignments Jireh Resources LLC has received from the BIA. Please note that a few were executed November 8, 2011 but the majority were executed December 7, 2011 and received by Jireh Resources LLC December 13<sup>th</sup>, 2011.

Sincerely,

A handwritten signature in black ink, appearing to read "Lanny Woods". The signature is stylized with a large, sweeping initial "L" and a cursive "Woods".

Lanny Woods  
Jireh Resources LLC

Office: 918-895-7870 ext 25  
Cell: 918-851-0468  
[lannywoods@jirehresourcesllc.com](mailto:lannywoods@jirehresourcesllc.com)

054859

5464

5592

6073

6233

0922

6222

0924

0926

6213

0927

3710

3709

3340

3614

4357

4308



Inventory No.: OS0922/OS0924/  
OS0926/ OS4859/OS6213/OS6222  
Scan Code: 33

SEP 14 2011

REPLY TO: 6EN-WR

Mr. David House  
Jireh Resources, LLC  
2526 East 71<sup>st</sup> Street, Suite A  
Tulsa, OK 74136

Re: Notice of Overdue Annual Well Operation Reports  
Inventory No. Well No. Location - Osage County, Oklahoma

OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS6222	10	NW/4, Sec. 1, T27N, R 7E
OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS6213	15	SW/4, Sec. 1, T27N, R 7E
OS4859	14	NE/4, Sec. 22, T29N, R 9E

Dear Mr. House:

To date, we have not received required annual operation report for the referenced wells for the period April 2010 through March 2011. Please submit the required reports to this office within 15 days from the date of this letter. The reports must include the information on the enclosed forms. In addition, the permit for Well No. 15 requires you to measure the static fluid level in the well annually after a 24-hour shut-in period. Please attach the results of that measurement to the annual report form for that well.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or you already submitted the required reports, please contact Ronald Van Wyk at 214-665-6459.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:rvanwyk:9/9/11:code K

9/9/11

H:\6EN\6EN-W\WR\VANWYK\2011\Jireh-2

050924  
33

**Wandering Star**  
**Ron VanWyk** to: cmashunkashey

08/23/2011 07:58 AM

From: Ron VanWyk/R6/USEPA/US  
To: cmashunkashey@osage tribe.org

Joe Webb from Wandering Star called and said that all of Mariah's stuff (Wandering Star) had transferred to Jireh Resources, 2526 East 71st Street, Suite A, Tulsa, OK 74136. Please check with the BIA for assignment and bond. Thanks.

Ronald Van Wyk  
Water Enforcement Branch, EPA  
1445 Ross Avenue  
Dallas, TX 75202

214-665-6459  
vanwyk.ron@epa.gov

This e-mail may contain material that is confidential, privileged and/or attorney work product and is for the sole use of the intended recipient. Any review, reliance, or distribution by others or forwarding without express permission is strictly prohibited. If you are not the intended recipient, please contact the sender and delete all copies.

Invento. No.: OS0922/OS0924/  
OS0926/ OS4859/OS6213/OS6222  
Scan Code: 33

AUG 4 2011

REPLY TO: 6EN-WR

Mr. Joe Webb  
Wandering Star Partners No. 1  
PO Box 1452  
Pawhuska, OK 74056

Re: Notice of Overdue Annual Well Operation Reports  
Inventory No. Well No. Location - Osage County, Oklahoma  
OS0922 9 NW/4, Sec. 1, T27N, R 7E  
OS6222 10 NW/4, Sec. 1, T27N, R 7E  
OS0924 4W SW/4, Sec. 1, T27N, R 7E  
OS0926 14W SW/4, Sec. 1, T27N, R 7E  
OS6213 15 SW/4, Sec. 1, T27N, R 7E  
OS4859 14 NE/4, Sec. 22, T29N, R 9E

Dear Mr. Webb:

To date, we have not received required annual operation report for the referenced wells for the period April 2010 through March 2011. Please submit the required reports to this office within 15 days from the date of this letter. The reports must include the information on the enclosed forms. In addition, the permit for Well No. 15 requires you to measure the static fluid level in the well annually after a 24-hour shut-in period. Please attach the results of that measurement to the annual report form for that well.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or you already submitted the required reports, please contact Ronald Van Wyk at 214-665-6459.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:ryk:wyk:7/19/11:code K

H:\6EN\6EN-W\WR\VANWYK\2011\Wandering Star-2

Inventory No.: OS0922/OS0924/  
OS0926/OS0927/OS4859/OS6069  
Scan Code: 33

JUN 1 2009

REPLY TO: 6EN-WR

Mr. John M. Parks  
Wandering Star Partners No. 1  
PO Box 1452  
Pawhuska, OK 74056

Re: Notice of Overdue Annual Well Operation Reports  
Inventory No. Well No. Location - Osage County, Oklahoma

OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS0927	2B	SE/4, Sec. 2, T27N, R 7E
OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS6069	5	NW/4, Sec. 16, T28N, R10E
OS4859	14	NE/4, Sec. 22, T29N, R 9E

Dear Mr. Parks:

To date, we have not received the required annual operation report for the referenced wells for the period April 2008 through March 2009. Please submit the required reports to this office within 15 days. The reports must include the information on the enclosed forms. In addition, the permit for Well No. 5 requires you to measure the static fluid level annually after a 24-hour shut-in period. Please attach the results of that measurement to the annual report form for that well.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or if you already submitted the required reports, please contact Ronald Van Wyk at 214-665-6459.

Sincerely yours,

Jerry Saunders  
Chief  
Water Resources Section

Enclosure

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:rvanwyk:5/27/09:code K

H:\6EN\6EN-W\WR\VANWYK\2009\Wandering Star 1-2





## United States Department of the Interior

## BUREAU OF INDIAN AFFAIRS

Osage Agency  
P.O. Box 1539  
Pawhuska, Oklahoma 74056-1539

TAKE PRIDE  
IN AMERICA

050924

0925

0926

0927

(34)

IN REPLY REFER TO:  
MINERALS BRANCH

JAN - 4 2006

Mr. Jerry Saunders  
Chief, Water Supply Branch  
E.P.A. (6EN-WO)  
1445 Ross Avenue  
Dallas, TX 75202

Dear Mr. Saunders:

The Bureau of Indian Affairs plans to release the Bond for John T. Hull d/b/a Hull Oil Company on an Oil and Gas Mining Lease covering the SW/4 Section 01, Township 27 North, Range 07 East, Well #4, #13W, #14W and SE/4 Section 02, Township 27 North, Range 07 East, Well #2B and a saltwater disposal, Blackland Unit, Osage County, Oklahoma.

Wandering Star Partners No. 1 LLLP has assumed the responsibility of said lease.

Please notify our office as soon as possible of any ongoing Environmental Protection Agency actions, which would preclude the release of this bond.

Thank you for your prompt attention to this matter.

Sincerely,

*Murray*  
Superintendent

OK

JAN. 4. 2006

9:05AM

Bureau of Indian Affairs  
P.O. Box 1539  
Pawhuska, OK 74056  
Ph. (918) 287-5710  
Fx. (918) 287-9907

**facsimile transmittal****To:** Ron VanWyk **Fax:** (214) 665-2168**From:** Chelle Lookout, Realty Clerk **Date:** 1/3/2006**Re:** Bond Release **Pages:** 1 including cover sheet**CC:**☐ Urgent☐ For Review☐ Please Comment☐ Please Reply☐ Please Recycle

I am trying to release the bond on the referenced section:

**John T. Hull d/b/a Hull Oil Company - Bond holder on Oil and Gas Mining****Lease covering****SW/4 of Section 1-27-07 and SE/4 of Section 2-27-07 (Blackland Unit)****SW/4 Well #4, #13W, #14W Osage County, Oklahoma****SE/4 Well #2B, and a SWD.**

**Please notify me as soon as possible of any ongoing Environmental Protection Agency actions which would preclude the release of this bond.**  
**If you need any further information, please contact me at (918) 287-5713.**

**Thank you. Chelle Lookout**

Inventory No.: OS0922/OS4358/  
OS5464/OS4357/OS0924/OS0925/  
OS0926/OS0927  
Scan Code: 33

JAN 9 2004

REPLY TO: 6EN-WR

Ms. Melissa Curry  
Bureau of Indian Affairs  
Post Office Box 1539  
Pawhuska, OK 74056

Re: Bond Release

Dear Ms. Curry:


We concur on the proposed bond release for John T. Hull,  
d/b/a Hull Oil Company on the following:

Location

Section 11, T24N, R 7E  
NW/4, Sec. 14, T24N, R 8E  
SW/4, Sec. 36, T24N, R 7E  
NW/4, Sec. 1, T27N, R 7E  
SW/4, Sec. 1, T27N, R 7E  
SE/4, Sec. 2, T27N, R 7E

Thank you for consulting us on this matter. If you have any  
questions, please contact Mr. Ronald Van Wyk at 214-665-6459.

Sincerely Yours,

  
Jerry Saunders  
Chief  
Water Resources Section

cc: Osage UIC Office

*DM*  
*11/9/06*



## United States Department of the Interior

## BUREAU OF INDIAN AFFAIRS

Osage Agency  
P.O. Box 1539  
Pawhuska, Oklahoma 74056-1539

IN REPLY REFER TO:  
MINERALS BRANCH

TAKE PRIDE  
IN AMERICA

OS0924

0925

0926

0927

(34)

JAN - 4 2006

Mr. Jerry Saunders  
Chief, Water Supply Branch  
E.P.A. (6EN-WO)  
1445 Ross Avenue  
Dallas, TX 75202

Dear Mr. Saunders:

The Bureau of Indian Affairs plans to release the Bond for John T. Hull d/b/a Hull Oil Company on an Oil and Gas Mining Lease covering the SW/4 Section 01, Township 27 North, Range 07 East, Well #4, #13W, #14W and SE/4 Section 02, Township 27 North, Range 07 East, Well #2B and a saltwater disposal, Blackland Unit, Osage County, Oklahoma.

Wandering Star Partners No. 1 LLLP has assumed the responsibility of said lease.

Please notify our office as soon as possible of any ongoing Environmental Protection Agency actions, which would preclude the release of this bond.

Thank you for your prompt attention to this matter.

Sincerely,

*Murray*  
Superintendent

OK



JAN. 4. 2006 9:05AM

Bureau of Indian Affairs  
P.O. Box 1539  
Pawhuska, OK 74056  
Ph. (918) 287-5710  
Fx. (918) 287-9907

facsimile transmittal

To: Ron VanWyk

Fax: (214) 665-2168

From: Chelle Lookout, Realty Clerk

Date: 1/3/2006

Re: Bond Release

Pages: 1 including cover sheet

CC:

☐ Urgent

☐ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle



Trying to release the bond on the referenced section:

John T. Hull d/b/a Hull Oil Company - Bond holder on Oil and Gas Mining  
Lease covering

SW/4 of Section 1-27-07 and SE/4 of Section 2-27-07 (Blackland Unit)

SW/4 Well #4, #13W, #14W Osage County, Oklahoma

SE/4 Well #2B, and a SWD.

Please notify me as soon as possible of any ongoing Environmental  
Protection Agency actions which would preclude the release of this bond.  
If you need any further information, please contact me at (918) 287-5713.

Thank you. Chelle Lookout

*Mariah Exploration, L.L.P.* \_\_\_\_\_

*1100 BOX 1102  
Pawhuska, OK 74056  
918-287-2339  
918-287-1383 fax*

April 21, 2006

Mr. Ron Van Wyk  
US EPA (6EN-WO)  
1445 Ross Avenue  
Dallas, Texas 75202-2733

*030922*

*~~030924~~*

*030926*

*030927*

*(34)*

Re: Annual Reports

Dear Mr. Van Wyk:

Please find enclosed our Annual Disposal/Injection Well Monitoring  
Reoports for April 2005, through March of 2006.

If you have any questions concerning this matter, please call (918) 287-  
2339.

Sincerely,

*Norma Pinney*  
Norma Pinney  
Administrative Assistant  
Mariah Exploration, LLC

MAY 4 2006

SEP 4 2001

Inventory No.: OS0924Scan Code: 33

REPLY TO: 6EN-WO

Certified Mail # 7099 3220 0001 4437 1451 - Return Receipt Requested

Mr. Tom Hull  
Hull Oil Company  
PO Box 1268  
Pawhuska, OK 74056

Re: Mechanical Integrity Test Failure  
Inventory No. Well No. Location-Osage County, Oklahoma  
OS0924 4W SW/4, Sec. 1, T 27N, R 7E

Dear Mr. Hull:

On August 6, 2001, the referenced injection well failed a mechanical integrity test. It is, therefore, noncompliant with Osage Underground Injection Control (UIC) program regulations.

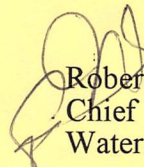
Within 15 days of the date of this letter, you must complete one of the following:

1. Demonstrate mechanical integrity of the well. Notify the Osage UIC office at 918-287-4041 at least five days before testing the well so they can witness the test.
2. Submit a plan to the AR/LA/OK NPDES (UIC) Section, at the address shown in the letterhead, which shows how you will comply with mechanical integrity requirements. The plan should identify whether the leaks are in the casing, tubing, or packer.
3. Apply for a UIC permit for the well. Submit the permit application to the Osage UIC office. Permit application materials are enclosed for your use.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require injection wells to have mechanical integrity. To avoid additional enforcement, please demonstrate mechanical integrity of the well or submit a corrective plan, within 15 days, as requested.

Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have any questions.

Sincerely yours,

  
Robert V. Murphy  
Chief  
Water Enforcement Branch

Enclosures

bcc: BIA, Minerals Branch  
Osage UIC Office

6EN-WO:rvanwyk:8/23/01: ENF CODE: G OS .52

6EN-WO 6EN-WO  
VAN WYK SAUNDERS

8/23/01

8/23/01

9/25/01



dmc  
5-30-91

35

## COMPLIANCE REVIEW FORM

Reviewer: Ron VanWykInventory No.: 050924Date: 5-23-91Well No.: 4WWell Type: Disposal/EOR/Dual Completion Well Status: Active/Inactive Authorization: Rule/Permit

## I. FINANCIAL RESPONSIBILITY

TYPE \ AREA	Single Lease	County Wide	Nation Wide	Amount
Bond				
Letter of Credit				
Certificate of Deposit				
Other (Shown in Comments)				

Unaddressed Violations: \_\_\_\_\_

## II. MECHANICAL INTEGRITY

	Date(s)	Method	Results
Technical Review	2-11-86		Pass
Field Test	7-15-86	B	Fail
	1-12-87	B	Fail
	2-24-87	B	Pass
	4-3-91	B	Pass

Unaddressed Violations: \_\_\_\_\_

## III. ANNUAL REPORTS

Authorized		Maximum Pressure (psi)	Maximum Volume (BBL/Mo)	Fluid Level (ft. Subsurface)
Due	Received			
4-85		683		
4-86	1-26-87	390	22,370	
4-87				
4-88	4-19-88	295	20,649	
4-89	5-10-89	370	29,747	
4-90	4-16-90	400	26,942	
4-91	4-18-91	320	23,877	

Unaddressed Violations: \_\_\_\_\_

Annual report for 1985 + 1987 not in file. No action taken -- All other reports received



## IV. PERMIT CONDITIONS

Date Final: \_\_\_\_\_ Date Authorization to Inject: \_\_\_\_\_  
Modifications: Date Summary  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Unaddressed Violations: \_\_\_\_\_  
\_\_\_\_\_

## V. INSPECTIONS

<u>Date</u>	<u>Violation(s)</u>
<u>1-31-89</u>	<u>None</u>
<u>4-5-91</u>	<u>None</u>
_____	_____
_____	_____
_____	_____
_____	_____

## VI. NOTICES OF VIOLATION

<u>Date</u>	<u>Subject</u>	<u>Compliance Achieved?</u>
<u>1-31-86</u>	<u>Overdue Annual Report</u>	<u>Not Received</u>
<u>10-1-86</u>	<u>Fail MIT</u>	<u>11-25-86</u> <u>Wells Shut-in</u>
<u>7-27-87</u>	<u>Overdue Annual Report</u>	<u>Not received</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

## VII. COMPLIANCE REVIEW SUMMARY

Assessment: ☒ Full Compliance ☐ Follow-up Required

Action Taken: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Approval: Ronald J. Enders Compliance Engineer

Date: 5-23-91



Texaco USA

P O Box 779  
Kingfisher OK 73750  
405 375 5713*Debbie*  
*4/16* (34)

April 12, 1990

Mr. Gus Chavarria  
UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, Texas 75202-2733

RECEIVED

APR 16 1990

EPA 6W-S  
REGION VI

Dear Mr. Chavarria:

Attached are the Annual Fluid Level Monitoring Reports for inventory numbers: 0927, and Annual Disposal/Injection Well Monitoring Report for inventory numbers: 4334, 4232, 1436, 0924, 0925 and 0926.

Texaco has sold it's working interest in the above wells and this has been noted as to when they sold and to whom on each inventory page.

If you have any questions concerning the attached forms, please contact Roger Price in our Kingfisher Office, (405) 375-5713.

This cover letter will serve as signature for each of the attached forms.

*J. E. Johnson Jr.*  
J.E. Johnson, Jr.  
Area Manager

RAP  
Attachments



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

33

MAR 01 1988

Certified Mail #P 774 135 539 - Return Receipt Requested

REPLY TO: 6W-SE

Mr. N. E. Norton  
 Texaco, USA  
 P.O. Box 2420  
 Tulsa, Oklahoma 74102

Re: Monitoring Requirements During Temporary Abandonment Period  
 Inventory No.: 0924  
 Well No.: 4W  
 Location: SW/4, Sec. 01, T 27N, R 07E  
 Osage County, Oklahoma

Dear Mr. Morton:

On January 29, 1987, we approved your plan for future use of the referenced injection well and specified monitoring requirements during the temporary abandonment period. We have now determined that the well has mechanical integrity according to 40 CFR §147.2912(a). This is sufficient to assure that fluids will not move through the well into underground sources of drinking water (USDW) during the temporary abandonment period. Therefore, you are no longer required to monitor fluid levels in the well as specified in our January 29, 1987 letter.

You must continue to comply with Osage Underground Injection Control (UIC) program requirements for wells authorized by rule. These include the requirement that you submit annual operation reports to the Environmental Protection Agency. Also, you must orally report any condition that may endanger a USDW to the Osage UIC Office (918-287-4041) within 24 hours after discovery, and within five days after discovery, submit a written corrective action plan to the Osage UIC Office (e.g., plug the well, modify pumping or injection patterns, etc.). We would notify you, after reviewing the plan, of specific actions required.

Before using this well for production or injection, notify this office in writing. Before using the well for injection:

1. Demonstrate mechanical integrity according to 40 CFR §147.2912(a)(1); and
2. Obtain a permit or conduct well repairs, if required by EPA.

SYMBOL		SURNAME		DATE		CONCURRENCES	
6W-SE	WALKER:Sm:2/26/88:Disk#7.30	6W-SE	CHAVARRIA	2/29/88	2/29/88		
6W-SE		6W-SE					



-2-

Please contact Mr. John Walker of my staff [(214) 655-7165] or the Osage UIC Office if you have any questions.

Sincerely yours,

/s/ Oscar Cabra, Jr P E

Oscar Cabra, Jr., P.E.  
Chief

Water Supply Branch (6W-S)

cc: BIA, Minerals Branch  
Osage UIC Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

33

JUL 27 1987

Certified Mail #P 483 658 842 - Return Receipt Requested

REPLY TO: 6W-SE

Emerson Oil Company  
Route 1 Box 19-1  
Cleveland, OK 74020

Re: Overdue Annual Static Fluid Level Monitoring Reports

Inventory No.	Well No.	Location - Osage County, Oklahoma
✓924	4W	SW/4, Sec. 01, T 27N, R 07E
✓927	2B	SE/4, Sec. 02, T 27N, R 07E

Dear Sir:

Our approval of your plan for future use of the referenced well(s) required you to monitor static fluid level periodically and to report monitoring results to this office at least annually. On March 31, 1987, we reminded you of this reporting requirement. To date, we have not received a report for each referenced well, which was due on April 30, 1987.

You have 30 days from the date you receive this letter to submit the overdue reports. A reporting form is enclosed for each well for which we have not received a report. Send the reports to the following address:

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, Texas 75202-2733  
Attn: Mr. Gus Chavarria

Failure to conduct required monitoring and submit annual reports is a violation of the Federal requirements under the Osage UIC program. Negligence to report may result in our requiring you to plug the well or to apply for a permit under [40 CFR §147.2915(b)(1)]. In addition, you may be subject to a fine of up to \$25,000 per day of program violation (42 U.S.C. §300f et seq.).

6W-SE:VAN WYK:x38:dm:7/9/87:Disk:Detton #1

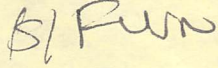
SYMBOL	SURNAME	DATE	CONCURRENCES
6W-SE	CHAVARRIA	7/23/87	



-2-

If you have any questions, please contact Mr. Desi Crouther at the above address or telephone (214) 655-7165.

Sincerely yours,



Oscar Cabra, Jr., P.E.  
Chief  
Water Supply Branch (6W-S)

Enclosure(s)

cc: BIA, Minerals Branch  
Osage UIC Office



33

'M'

DMC  
2-23-87  
✓

1. Measure static fluid level in the well at least once every three months as long as it is at least 737 feet below ground level. This is 100 feet below the USDW in the area. Each year in April, report fluid level measurements to this office using the enclosed report form.
2. If static fluid level is less than 737 feet below ground level, measure the water level in the well at least monthly. Each year in April, report the preceding 12-month fluid level measurements using the enclosed report form.
3. If the static fluid level in the well is 637 feet below ground level (the base of the USDW in the area) or less, notify the Osage UIC office by phone (918-287-4041) within 24 hours. Within five days submit a corrective action plan to the Osage UIC office (e.g., plug the well, modify pumping or injection patterns, etc.). We would notify you, after reviewing your plan, of specific actions which you must take to protect the USDW.

SYMBOL	64-SE-10MAX:ng:1-23-87:x2775:Disk-Nettie's/#20.....	Enforcement Action Code:..BU
SURNAME	CHAVARRIA	
DATE	04-SE-1987	29 1987



You must conduct the above outlined monitoring and reporting until the well is reactivated for production or injection. Before using this well for production or injection, notify this office in writing. Before using the well for injection:

1. Demonstrate mechanical integrity according to 40 CFR 147.2912(a)(1).
2. Obtain a permit or conduct well repairs, if required by EPA.

I trust that this adequately summarizes EPA requirements during the temporary abandonment period. Please contact Mr. Ronald Van Wyk of my staff (214-767-9904) or the Osage UIC office if you have any questions.

Sincerely yours,

Oscar Cabra, Jr., P.E.  
Chief, Water Supply Branch (6W-S)

Enclosure

cc: BIA, Minerals Branch  
Osage UIC Office





Texaco USA

PO Box 2420  
Tulsa OK 74102  
918 560 6000

34

November 25, 1986

RECEIVED

DEC 05 1986

OSAGE UIC PROGRAM

United States Environmental Protection Agency  
Region VI  
1201 Elm Street  
Dallas, TX 75270

Attention: Mr. Oscar Cabra, Jr., P.E. Chief Water Supply Branch (6W-S)

RE: Mechanical Integrity Test Failure

Inventory No.: 0924  
Well No.: 4W (I Bennett No. 4)  
Location: SW4 Sec 1, Township 27N Range 7E  
Osage County, Oklahoma

Inventory No: 2885  
Well No.: 20W11 (Naval Reserve Tract 20-11)  
Location: SE4 Sec 21, Township 24N Range 7E  
Osage County, Oklahoma

Inventory No.: 2887  
Well No: 21W7 (NRU Tract 21-7)  
Location: SW4 Sec 21, Township 24N Range 7E  
Osage County, Oklahoma

Gentlemen:

All of the above wells have failed the mechanical integrity test. Presently all three of these wells are shut in and have been since they failed the M.I.T.

We are herewith applying for temporary abandonment status of these wells. All are in active water flood projects. Since shutting in the wells, we are evaluating the effects of lost injection on the offset producing wells. If production losses and economics with

RECEIVED

DEC 10 1986

EPA 6W-S  
REGION VI

Page 2

United State Environmental Protection Agency

November 25, 1986

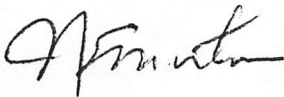
RECEIVED

DEC 05 1986

OSAGE UIC PROGRAM

depressed oil prices justify, these wells will be repaired and returned to injection. It is our intent to hold these wells for future tertiary prospects. We, of course, would follow all the necessary procedures for temporarily abandoned wells and submit all the necessary reports pertaining to these wells.

Very truly yours,



N.E. Morton  
District Manager

JKH:dab

cc: Mr. Larry D. Haikey  
Program Administrator  
Osage UIC Program  
P.O. Box 149  
Pawhuska, OK 74056

W.A. Wood, Kingfisher

RECEIVED

DEC 10 1986

EPA 6W-S  
REGION VI



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

33

OCT 01 1986

Certified Mail - Return Receipt Requested

Texaco Inc.  
P.O. Box 2420  
Tulsa, OK 74102

Re: Mechanical Integrity Test Failure

Inventory No.: 0924  
Well No.: 4W  
Location: SW/Qtr.; Sec. 1; Twp. 27N; Rnge. 7E  
Osage County, Oklahoma

Dear Sir:

On July 15, 1986, the referenced injection well failed the mechanical integrity pressure test. Osage Underground Injection Control (UIC) program regulations [40 CFR 147.2912(a)(1)] require the well to have casing, tubing, and packer integrity. In addition, you must complete repairs and demonstrate mechanical integrity within 90 days of the date of this letter [40 CFR 147.2912(c)]. If you do not demonstrate mechanical integrity by the time specified, you will be required to cease injection until mechanical integrity is demonstrated.

Violation of any of the above requirements constitutes violation of the Safe Drinking Water Act, as amended (42 U.S.C. S300f et. seq.), which provides for fines of up to \$25,000 per day per violation.

Please contact the Osage UIC office at (918) 287-4041 to schedule a retest of this well, or if you have any questions concerning this letter.

Sincerely yours,

Oscar Cabra, Jr., P.E.  
Chief, Water Supply Branch (6W-S)

cc: BIA, Minerals Branch  
Osage UIC Office

## CONCURRENCES

SYMBOL	6W-SE:LOMAX:ng:9/3/86:x2775:Disk:Nettie's/#8	Enforcement Action: G
SURNAME	CHAVARRIA	
DATE	9/30	



924  
33

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION VI  
1201 ELM STREET  
DALLAS, TEXAS 75270

January 31, 1986

Certified Mail - Return Receipt Requested

Re: Overdue UIC Annual Operating Report

Dear Operator:

The Osage Underground Injection Control (UIC) regulations at 40 CFR 147.2913(a) require you to submit annual operation reports to EPA. Approximately 30 days before the report due date we reminded you of this reporting requirement. Our records do not reflect your submittal of the required report for the referenced wells on the attached list.

Please submit the overdue report to this office, using the enclosed forms, within 30 days of the date of this letter. The reporting period for each well depends on well location. Please refer to the enclosed "Osage County Class II Annual Reporting Requirements" to determine the reporting period.

Failure to conduct required monitoring or submit annual reports is a violation of the Federal requirements under the Osage UIC program. Negligence on your part may require you to apply for a permit under 40 CFR 147.2915 (b)(1). In addition you may be subject to a fine of up to \$10,000 per day of program violation (42 U.S.C. §300f et. seq.).

If you have any questions, please contact Ron Van Wyk at the above address or telephone 214/767-9904.

Sincerely yours,

A handwritten signature in cursive script, reading "Oscar Cabra, Jr.", is written over the typed name.

Oscar Cabra, Jr., P.E.  
Chief, Water Supply Branch (6W-S)

Enclosures

cc: BIA, Minerals Branch  
Osage UIC Office



OPERATOR: TFXACO INC

FORM NUMBER	LEGAL DESCRIPTION				LOCATION				WELL NUMBER
-----	-----				-----				-----
701	SE	16	24	7	980	N	997	W	15
923	SW	1	27	7	990	N	990	E	2 SWD
924	SW	1	27	7	1650	S	330	W	4W
925	SW	1	27	7	2590	S	2590	W	17W
926	SW	1	27	7	2590	S	50	W	14W
927	SE	2	27	7	900	S	2310	W	28W
1130	SE	19	25	8	330	S	1650	W	1-5
1132	SE	19	25	8	1200	S	1100	E	7-5
1134	NE	20	25	8	1320	S	2610	W	3
1140	SE	20	25	8	1320	S	2490	W	8-5
1141	SE	20	25	8	1320	S	2620	W	10W
1142	SE	20	25	8	2620	S	2620	W	11-W
1143	SE	20	25	8	2590	S	300	W	12-W
1144	NW	20	25	8	1520	N	60	E	2-W
1145	SW	20	25	8	1322	S	990	W	4W
1146	SW	20	25	8	2590	S	990	W	5-W
1147	NE	21	25	9	1693	N	330	W	1-W
1148	NE	21	25	8	330	N	330	W	2-W
1149	SE	21	24	8	900	S	330	W	1-W
1150	SE	21	25	8	330	N	330	W	2-W
1151	SE	21	25	8	330	N	990	E	4-W
1173	NE	29	25	8	330	S	1650	W	4-W
1174	SE	29	25	8	2310	S	2310	W	1-W
1175	NW	29	25	8	813	S	300	E	3-W
1176	NW	29	25	8	1650	S	990	W	8
1177	NW	29	25	8	300	S	300	W	11-W
1178	SW	29	25	8	300	N	990	W	3-W
1179	NE	30	25	8	990	S	2310	W	1-W
1180	NE	30	25	8	1650	S	1650	W	3-W
1181	NE	30	25	8	990	S	990	W	7
1182	NE	30	25	8	300	S	990	E	8-W
1183	NE	30	25	8	300	N	965	W	13-W
1184	SE	30	25	8	1320	N	660	E	11-W
1185	SE	30	25	8	50	S	2590	W	12-W
1186	SE	30	25	8	990	S	990	W	7-W
1187	NW	30	25	8	300	N	300	E	1-W
1188	NW	30	25	8	2310	S	990	W	7-W
1189	NW	30	25	8	990	S	971	W	12-W
1763	NE	20	24	9	2078	N	318	E	W5
1764	SE	20	24	9	2630	S	1600	E	W-2
1765	SE	20	24	9	1009	S	311	W	4
1766	SE	20	24	9	1150	S	1590	E	4-W
1767	SE	20	24	9	1830	S	300	E	6
1768	SW	20	24	9	990	S	300	E	1
1769	SW	20	24	9	2340	S	2340	W	3
1771	NW	21	24	9	300	S	300	W	1
1772	NW	21	24	9	810	N	300	E	2
2015	NE	35	24	9	1650	S	990	W	3-W
2931	SW	28	24	7	990	N	300	E	27W3
3725	SW	29	25	8	1370	S	50	E	7
3895	NE	21	25	8	1693	N	20	W	D1
3896	NW	21	25	8	330	N	990	E	4
3897	NE	21	25	8	1001	S	945	E	4
3898	NE	35	24	9	990	S	1650	W	4
3899	SW	29	25	8	1370	S	50	E	7W
3906	SW	20	25	8	330	S	990	W	1

October 3, 2017

Bird Creek - Osage County, Oklahoma

9-4W\_OS0924

72 of 196

4157  
4158  
4159  
4170  
4176  
4177  
4178  
4232  
4234  
4242  
4334

SE 29 25 8  
NE 30 25 8  
NE 20 25 8  
SW 22 24 7  
NE 35 24 9  
NE 35 24 9  
NE 35 24 9  
SW 5 27 8  
SE 7 24 9  
NE 20 24 9  
SE 16 28 8

1980 S 1320 W  
1650 S 330 W  
50 N 30 E  
320 S 2310 W  
990 S 2310 W  
2310 S 1650 W  
1650 S 330 W  
1320 N 700 W  
500 N 300 E  
2345 N 565 E  
900 S 660 E

7W  
14W  
5W  
6  
8  
5  
7  
2  
1  
WSW-1  
1-A

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TEXAS 75202-2733

March 31, 2017

JIREH RESOURCES  
PO BOX 701230  
TULSA OK 7417005 6320  
6213  
0922  
0924

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form, or any other format that includes the required information. Please submit the report(s) via postal mail, within 30 days of the date of this letter to:

**Mr. Hillol Ray**  
**Water Resources Section (6EN-WR)**  
**Environmental Protection Agency**  
**1445 Ross Avenue**  
**Dallas, Texas 75202-2733**

If you prefer, you may submit the report(s) as an attachment **with an e-mail to:** [ray.hillol@epa.gov](mailto:ray.hillol@epa.gov); or, **via fax # 214-665-2168 (Attention: Mr. Hillol Ray).**

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Federal UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Hillol Ray of my staff, at 214-665-7502.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Willie Lane, Jr.", is written over the typed name.

Willie Lane, Jr.

Chief

Water Resources Section

Enclosure(s)



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TEXAS 75202-2733

OS 0922

0924

6320

6213

April 2, 2015

JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form, or any other format that includes the required information. Please submit the report(s) via postal mail, within 30 days of the date of this letter to:

**Ms. Emma Cornelius**  
**Water Resources Section (6EN-WR)**  
**Environmental Protection Agency**  
**1445 Ross Avenue**  
**Dallas, Texas 75202-2733**

If you prefer, you may submit the report(s) as an attachment with an e-mail to:  
**cornelius.emma@epa.gov. or, via fax # 214-665-2168 (Attention: Ms. Emma Cornelius).**

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Federal UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius of my staff, at 214-665-6479.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Willie Lane, Jr.".

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosure(s)





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

33

OS 0922 4

0924

0926

6320

6213

April 3, 2014

REPLY TO: 6EN-WR

JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Willie Lane, Jr.", written over a horizontal line.

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS TX 75202-2733

(32)  
OS0922 6  
0924  
0926  
4859  
6320  
6213  
0927

April 2, 2013

REPLY TO: 6EN-WR

JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS TX 75202-2733

(32)

OS 0924 3

0924

4859

6213

0922

6222

April 2, 2012

REPLY TO: 6EN-WR

JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Willie Lane, Jr.", written over a horizontal line.

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosure(s)





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS TX 75202-2733

April 1, 2011

(32)  
056213  
6222  
0922  
4859  
0924  
0926

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Ronald Van Wyk at 214-665-6459.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Willie Lane, Jr.".

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosure



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

OS 0922

0924

0926

0927

4859

6069

6213

April 7, 2010

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Our April 1, 2010, letter concerning annual operating reporting requirements for injection wells in the North Quadrant of the Osage Mineral Reserve included incorrect annual report forms. We also failed to include forms for reporting static fluid levels for inactive injection wells. Enclosed with this letter are corrected annual report forms and reports for fluid level monitoring for selected wells. Please disregard this letter, if you already completed all required annual reports for the April 2009 through March 2010 reporting period. Otherwise, please discard the forms that you received previously and submit your reports using the enclosed forms. As always submit the reports to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.**

We apologize for any inconvenience caused by our error. Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have questions.

Sincerely yours,

Jerry Saunders  
Chief

Water Resources Section

Enclosures



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TEXAS 75202-2733

32  
050922  
09240940  
0926  
0927  
~~0922~~  
4859  
6069  
6213

April 1, 2010

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Ronald Van Wyk at 214-665-6459.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Camille P. Wagner".

A handwritten signature in cursive script, appearing to read "Jerry Saunders".  
Jerry Saunders  
Chief  
Water Resources Section

Enclosure





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 31 2009

(32)

05 0922  
0924  
0926  
0927  
6069

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information.

Please submit the report to the Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief  
Water Resources Section

Enclosure (s)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 3 1 2008

OS 0922  
0924  
0926  
0927  
6069

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information.

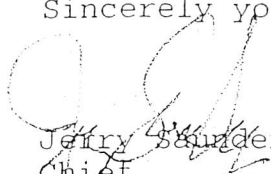
Please submit the report to the **Water Resources Section (6EN-WR)**, Environmental Protection Agency, 1445 Ross Avenue, Dallas, Texas 75202 within **30 days** of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief  
Water Resources Section

Enclosure (s)



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TX 75202-2733

MAR 30 2007

(32)

OS 0922  
0924  
0927  
0926

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA, OK 74056-

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information.

Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within **30 days** of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief  
Water Resources Section

Enclosure (s)





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 31 2006

OS 0926  
0924  
0922  
0927

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1, LLLP  
PO BOX 1452  
PAWHUSKA, OK 74056-

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief  
Water Resources Section

Enclosure (s)



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 31 2005

REPLY TO: 6EN-WO

HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required. Also include any annual reports not reported previously and update any changes in your mailing address or owner/operator status on the report forms.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have any questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosure (s)

Internet Address (URL) - <http://www.epa.gov/earth1r8/>

Recycled/Recyclable - Printed with Vegetable Oil Based Inks on Recycled Paper (Minimum 30% Postconsumer)

MAY 26 2005

IMAGING ROOM  
RECEIVED

MAY 5 8 3002

2005 MAY 18 PM 1:16



[Faint, illegible text block containing several lines of mirrored or bleed-through text.]

Page 86 of 196

OSAGE COUNTY, OKLAHOMA

May 18, 2005

1:16 PM

[Redacted area]

[Faint, illegible text]

[Faint, illegible text]

[Faint, illegible text]





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

APR 01 2003

REPLY TO: 6EN-WO

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required. Also include any annual reports not reported previously and update any changes in your mailing address or owner/operator status on the report forms.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have any questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

APR 24 03

Enclosure (s)

IMAGING ROOM  
RECEIVED

2003 APR 17 PM 1:07

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...

...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...  
...the ... of the ...



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 22 2002

OS 0924

0927

0926

0925

REPLY TO: 6EN-WO

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within **30 days** of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required. **Also include any annual reports not reported previously and update any changes in your mailing address or owner/operator status on the report forms.**

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have any questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jerry Saunders".

Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosure (s)



IMAGING ROOM  
RECEIVED

2002 APR 11 AM 8:37

[Faint, mostly illegible text, likely bleed-through from the reverse side of the page]

[Faint, mostly illegible text]

[Faint, mostly illegible text]

11/11  
11/11  
11/11



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 30 2001

DS

0925

0926

0924

0927

REPLY TO: 6EN-WO

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

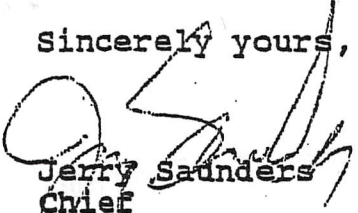
Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years. Also include any annual reports not reported previously.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Sanders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosures

IMAGING ROOM  
RECEIVED

2001 MAY 21 PM 4:12





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 31 2000

(32)

OS 0924  
0925  
0926  
0927

REPLY TO: 6EN-WO

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency (EPA). A report is due for each well for which a form is enclosed. Also enclosed are forms for reports we have not received from previous years. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); EPA; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

A handwritten signature in cursive script that reads "Carl E. Williams for".

Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

March 31, 1999

REPLY TO: 6EN-WO

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

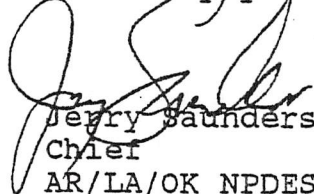
Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief  
AR/LA/OK NPDES (UIC) Section

Enclosures



IMAGING ROOM  
RECEIVED  
99 NOV -2 PM 4:43

(32)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

05

0924  
0925  
0926  
0927

March 31, 1998

REPLY TO: 6EN-WO

B0209

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWBUKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosure

IMAGING ROOM  
RECEIVED

98 MAY -5 PM 1:34





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-273305  
0924  
0925  
0926  
0927

March 31, 1997

REPLY TO: 6EN-WO

B0209

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosures

IMAGING ROOM  
RECEIVED

97 JUL -1 AM 8:17



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

March 29, 1996

REPLY TO: 6EN-WO

80209

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency to ensure that underground sources of drinking water are being protected. A report is now due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please send the report to me (within 30 days) at: **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.**

The enclosed form shows minimum data which you must report. In some instances, the UIC permit for a well may require you to provide additional data (e. g.; fluid production in the area). Therefore, check the permit for each of your injection wells to be sure that you are reporting all information required. You need to report tubing/casing annulus pressure only if you are demonstrating well mechanical integrity by maintaining positive annulus pressure.

Data reported must be accurate and supported by your records (e. g.; original echometer strip charts of fluid level monitoring or field books that show injection pressure and volume). Osage UIC regulations require you to retain copies of monitoring reports and supporting records for at least three years. Also, note that the "certification" at the bottom of the form states that reported data are accurate.

05

0924

0925

0926

0927

32





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

March 30, 1995

REPLY TO: 6W-SE

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

D0209

OS 0924  
OS 0925  
OS 0926  
OS 0927

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to this office within 30 days after receipt of this letter.

A report form is enclosed for each of your injection wells for which a report is now due. The report form shows minimum data which must be reported for each well. The data may be submitted on another format (e. g.; computer printouts, etc.). However, you must submit, at a minimum, the same information shown on the enclosed form.

You may be required to submit data not shown on the form (e.g.; fluid production in the area). Therefore, before you complete the annual report, check the permit for each of your injection wells to be sure that you are reporting all information required. Failure to report all information required by a UIC permit for a well could result in enforcement action.

Make sure that the reported data can be supported by your records (e. g.; original echometer strip charts of fluid level monitoring or field books to show daily injection pressure and volume). Osage UIC regulations [40 CFR §§147.2913(e) and 147.22(d)] require that you retain monitoring records for at least three years. Also, reporting of information that cannot be supported by records may result in enforcement action. The Safe Drinking Water Act, as amended (42 USC §300f et seq.) provides for civil and criminal enforcement for reporting inaccurate or false information. Monetary penalties of up to \$25,000 per day of violation may be assessed.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Bernadine Gordon  
Chief

Administrative Section (6W-SA)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber



March 30, 1994

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

(32)

050924  
0925  
0926  
0927

REPLY TO: 6W-SE

B0209

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWBUKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency to ensure that underground sources of drinking water are being protected. A report is now due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please send the report to me (within 30 days) at: UIC Administrative Section (6W-SA); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.

The enclosed form shows minimum data which you must report. In some instances, the UIC permit for a well may require you to provide additional data (e. g.; fluid production in the area). Therefore, check the permit for each of your injection wells to be sure that you are reporting all information required. You need to report tubing/casing annulus pressure only if you are demonstrating well mechanical integrity by maintaining positive annulus pressure.

Data reported must be accurate and supported by your records (e. g.; original echometer strip charts of fluid level monitoring or field books that show injection pressure and volume). Osage UIC regulations require you to retain copies of monitoring reports and supporting records for at least three years. Also, note that the "certification" at the bottom of the form states that reported data are accurate.

Thank you for doing your part in protecting the environment for current and future generations in Osage County. If you have questions, please contact Mr. Dale Selgrath at 214-655-8082.

Sincerely yours,

Bernadine Gordon  
Chief  
Administrative Section (6W-SA)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Branch



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TEXAS 75202-2733

March 30, 1993

REPLY TO: 6W-SE

B1209

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWBUKA OK 74556

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-8098 or the Osage UIC Office at 918-287-4041.

Sincerely yours,

Gus Chavarria  
Chief

UIC Permits and Enforcement Section (6W-SE)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office

050924  
05925  
05926  
05927

32





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

32

March 30, 1992

REPLY TO: 6W-SE

B0209

OS0924  
OS0925  
OS0926  
OS0927

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Sir:

Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-7165 or the Osage UIC Office at 918-287-4041.

Sincerely yours,

Gas Chavarria  
Chief

UIC Permits and Enforcement Section (6W-SE)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office



Printed on Recycled Paper

(32)



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TEXAS 75202-2733

0924

0925

0926

March 30, 1991

REPLY TO: 6W-SE

B0209

DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWUSKA OK 74056

Re: Annual Well Operation Report

Dear Sir:

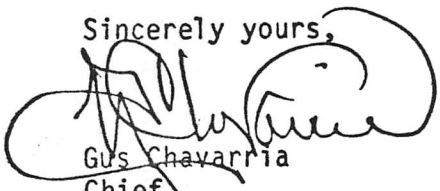
Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-7165 or the Osage UIC Office at 918-287-4041.

Sincerely yours,

  
Gus Chavarria

Chief

UIC Permits and Enforcement Section (6W-SE)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TEXAS 75202-2733

32

March 30, 1990

REPLY TO: 6W-SE

B0785

TEXACO INC  
POST OFFICE BOX 46510  
DENVER CO 80201

OS 924 Re: Annual Well Operation Report

OS 925 Dear Sir:

OS 926 According to Osage Underground Injection Control (UIC) Program regulations  
OS 927 operators of injection wells in Osage County, Oklahoma must submit annual  
OS 1436 operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b)  
and 147.2922(b)]. Submit this report by April 30, 1990, to:OS 4232 UIC Permits/Enforcement Section (6W-SE)  
OS 4334 U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

ATTN: Mr. Gus Chavarria

An appropriate report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Mr. Ray Leissner at (214) 655-7165 or the Osage UIC Office at (918) 287-4041.

Sincerely yours,

for  
Oscar Cabra, Jr., P.E.  
Chief  
Water Supply Branch (6W-S)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

ALLIED BANK TOWER AT FOUNTAIN PLACE

1445 ROSS AVENUE  
DALLAS, TEXAS 75202

March 31, 1988

0927

0923

0924

REPLY TO: 6W-SE

B0765

TEXACO INC  
PO BOX 779  
KINGFISHER OK 73750

Re: Annual Injection Well Fluid Level Monitoring Report

Dear Sir:

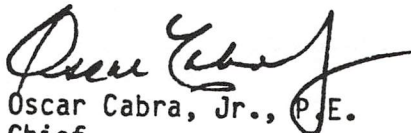
The Environmental Protection Agency (EPA) approved your plan for future use for some inactive wells which you operate in Osage County, Oklahoma. That approval requires you to conduct monitoring to assure that fluids will not move through the wells into underground sources of drinking water (USDWs) during the temporary abandonment period and that you report monitoring results to EPA annually. Submit these reports by April 30, 1988, to:

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733  
Attn: Mr. Gus Chavarria

A report form is enclosed for each well for which a report is now due. The data may be submitted on some other format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form.

Your cooperation in this matter is appreciated. If you have questions, please contact Mr. John Walker in Dallas at (214) 655-7165 or the Osage UIC office in Pawhuska at (918) 287-4041.

Sincerely yours,

  
Oscar Cabra, Jr., P.E.  
Chief  
Water Supply Branch (6W-S)

Enclosures

cc: Osage UIC Office  
BIA Minerals Office



# UNITED STATES ENVIRONMENTAL P

REGION VI

ALLIED BANK TOWER AT FOUNTAIN PLACE

1445 ROSS AVENUE

DALLAS, TEXAS 75202

MAR 3 1 1987

Certified Mail #P304 157 831 - Return Receipt Requested

B0765

EMERSON OIL CO.  
ROUTE 1 BOX 19-1  
CLEVELAND

OK

74020

Re: Annual Fluid Level Monitoring Report

Dear Sir:

The Environmental Protection Agency (EPA) approved for the attached well(s). That approval requires that you to assure that fluids will not move, through the well into sources of drinking water (USDWs) during the temporary shut-in. In accordance with the reporting requirements of that plan, you must provide annual operation report(s) to the EPA. reports to:

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

Attn: Mr. Gus Chavarria

An Annual Fluid Level Monitoring Report is due by April 30, 1987, for each well in Osage County, Oklahoma listed on the enclosure.

The enclosed report form(s) is provided for your use. The data may be submitted on some other format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. To assure that we give you credit for submitting the report(s), be sure to enter the EPA Inventory or Form Number for the well.

Your cooperation in this matter is appreciated. If you have questions, please contact Mr. Desi Crouther in Dallas at (214) 655-7165 or the Osage UIC office in Pawhuska at (918) 287-4041.

Sincerely yours,

*[Signature]*  
Oscar Cabra, Jr., P.E.  
Chief  
Water Supply Branch (6W-S)

Enclosures

cc: Osage UIC Office  
BIA Minerals Office

P 304 157 831 923 927

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

EMERSON OIL CO.  
ROUTE 1 BOX 19-1  
CLEVELAND

OK

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

MAR 3 1 1987

CERTIFIED

P 304 157 831

MAIL

\* U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985



P 479 471 670

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

TEXACO INC  
PO BOX 2420  
TULSA  
OK  
74102

U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION VI  
1201 ELM STREET  
DALLAS, TEXAS 75270

32

✓ 8927  
✓ 0924  
✓ 0923  
✓ 0926  
✓ 0923  
✓ 4232  
✓ 4324

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

Receipt Requested

tion Well Operating Report

JUN 27 1986

action Control (UIC) regulations at 40 CFR 147.2913(a) require you to submit annual operation reports to the Environmental Protection Agency. On March 31, 1986, you were notified of this reporting requirement. Our records do not reflect receipt of the required report which was due on June 15, 1986, for the wells in Osage County, Oklahoma on the enclosed list.

You have 30 days from the date of this letter to submit the overdue report to this office. The enclosed reporting forms are for your convenience.

You should send the reports to the following address:

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1201 Elm Street  
Dallas, TX 75270

Attn: Mr. Gus Chavarria

Failure to conduct required monitoring or submit annual reports is a violation of the Federal requirements under the Osage UIC program. Negligence to report may result in our requiring you to apply for a permit under 40 CFR 147.2915(b)(1). In addition, you may be subject to a fine of up to \$10,000 per day of program violation (42 U.S.C. S300f et. seq.).

If you have any questions, please contact Mr. Ronald Van Wyk at the above address or telephone 214/767-9904.

Sincerely yours,

*Oscar Cabra, Jr.*

Oscar Cabra, Jr., P.E.  
Chief, Water Supply Branch (6W-S)

Enclosures



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

## Annual Disposal/Injection Well Monitoring Report

Operator: JIREH RESOURCES  
PO BOX 701230  
TULSA OK 74170

Owner: JIREH RESOURCES  
PO BOX 701230  
TULSA OK 74170

State: OK County: OSAGE

Tr Section: SW Section: 01

Township: 27N

Range: 07E

Inventory Number: OS0924000

Surface Location: 1650S/330W

Well Activity

Enhanced Recovery

No. of Wells: 10  
*Production wells*

Type of Permit

☒ Individual  
☐ Area

Lease Name

McComb "Blackland"

Well Number

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2016	115	200	14,254			
May 2016	119	200	18,404			
Jun 2016	93	200	15,192			
Jul 2016	77	150	14,213			
Aug 2016	100	200	14,918			
Sep 2016	116	230	12,342			
Oct 2016	95	125	15,870			
Nov 2016	132	200	15,028			
Dec 2016	164	210	16,490			
Jan 2017	160	220	16,504			
Feb 2017	97	200	14,457			
Mar 2017	160	200	16,103			

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

LAWNY A. Woods J.P.



3/31/2017

*Entered*

**United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733**

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** JIREH RESOURCES

2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**Owner:** JIREH RESOURCES

2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**State:** OK **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/330W

**Well Activity**

Enhanced Recovery

No. of Wells: 10

*Prod wells*

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

Blackland - McCumb

**Well Number**

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2014	140	150	7852			
May 2014	130		7900			
Jun 2014	135		7883			
Jul 2014	130		7921			
Aug 2014	130		7935			
Sep 2014	135		7896			
Oct 2014	130		7914			
Nov 2014	130		7925			
Dec 2014	132		7877			
Jan 2015	130		7912			
Feb 2015	130		7908			
Mar 2015	130	150	7925			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

*Lanny Woods : VP*

**Signature:**

*[Signature]*

**Date Signed:**

*4/21/2015*



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens Dt/Tm Inspected: 9/9/2015 12:30:00 PM Duration: 2.0Operator Representative: CHANCE CRAWFORD Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_**General Well Data and Inspection Information**

Operator: JIREH RESOURCES, LLC Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
2526 EAST 71ST ST. STE A Well Name/No.: McCOMB 4W 4W Status: AI  
TULSA, OK 74136 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
 Phone: \_\_\_\_\_ Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, -96.509579 G

**ROUTINE W/MIT INSPECTION**Purpose: \_\_\_\_\_ Responsible Company at Time of Inspection: JIREH RESOURCES, LLCInspect No.: iLMS1525737429 Notification Type: \_\_\_\_\_

Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_

Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**Date Last MIT: 9/9/2015 Test Result: \_\_\_\_\_ Casing: 4.500 in. Tubing: 2.375 in. USDW: 637 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
 Monitoring Device: \_\_\_\_\_  
 FLM Canister Pressure: \_\_\_\_\_  
 Lease Status: Active  
 Barrel Monitor Hooked Up?: \_\_\_\_\_  
 Barrel Fluid Level (%): \_\_\_\_\_  
 Flowline Hooked Up?: Y  
 Injecting?: N

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>COMP</u>	<u>OV</u>	Min Req Press: _____
Static Fluid Level:	<u>0</u>		Max Rate: _____
How Determined?:	<u>O</u>		
Injection Rate (bpd):	_____		How Rate Determined? _____

**Comments**ACTIVE WELL; 5 YEAR MIT---HELD PRESSURE OKEvaluation: Name:  Date: 9-23-15Inspection Results: 1 Follow-up: A Reason: SeeViolation Code: none Frequency: NE

Received Date: 9/18/2015



**Mechanical Integrity Test Results**

SCAN CODE: 28

**Casing or Annulus Pressure Test****Osage Nation / Environmental Protection Agency**

P.O. Box 1495

Pawhuska, OK 74056

Inspector: Larry StephensTest Date: 09/09/2015Test Time: 12:25 PMOperator Representative: CHANCE CRAWFORD

Date Report Sent to Operator: \_\_\_\_\_

**General Well Data**Operator: JIREH RESOURCES, LLC - 1486Inventory Number: OS09242526 EAST 71ST ST. STE AAPI Well No.: 35-113-09365-00-00TULSA, OK 74136Well Name/No.: McCOMB 4WLocation: SW 1 27N 7E 1650S - 330W

Phone: \_\_\_\_\_

Field name: \_\_\_\_\_

Injection Interval: 2496 - 2514 USDW Bot: 637Well Type: EORAnnulus Fluid Type: PFFW Concentric Pkr: - Packer Depth: 2436 Casing: 4.500 in. Tubing: ##### in.**Tubing and Annulus Pressure Test Results**Type of MIT: Std. Annulus Pres. TestTest Reason: 5-year TestInj. Status: N Inj. Rate: \_\_\_\_\_ bpd Tubular Lining: Seal-tite Dual Time Since Ann Filled: \_\_\_\_\_ Hrs

	<u>Time</u>	<u>Tubing Pressure</u>	<u>Time</u>	<u>Annulus Pressure</u>	<u>Flowback</u>	<u>Pressure</u>	<u>Volume</u>
Pre-Test:		<u>0</u>		<u>0</u> psi	High:	<u>200</u> psi	
Initial:	<u>12:30 PM</u>	<u>0</u>		<u>200</u> psi	Mid:	<u>100</u> psi	<u>1500</u> ml
Mid:	<u>12:45 PM</u>	<u>0</u>		<u>200</u> psi	Low:	<u>20</u> psi	<u>1400</u> ml
Final:	<u>1:00 PM</u>	<u>0</u>		<u>200</u> psi	End:	<u>0</u> psi	<u>1300</u> ml
					Total Volume:		<u>4200</u> ml

**Casing/Tubing Annulus Monitoring**

Device: \_\_\_\_\_

Fluid Level: \_\_\_\_\_ Annulus Prs: \_\_\_\_\_ psi

Test Result: Acceptable

Failure Type: \_\_\_\_\_

Failure Cause: \_\_\_\_\_

Repair Due: \_\_\_\_\_

Engineer Signature: Rick L. DavisReview Date: 09/14/2015**ADA Pressure Test - Required Test Pressure**

(Fluid Column Ht \* Specific Gravity \* .433 / N2 Wt Fac = Required Test Pressure)

	<u>Tubing</u>	<u>Annulus</u>
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

**Additional Comments for Mechanical Integrity Test**NO CHANGE IN PACKER DEPTH; 5 YEAR MIT---HELD PRESSURE OK

Received Date: 9/18/2015



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens Dt/Tm Inspected: 6/10/2014 3:15:00 PM Duration: 0.5  
Operator Representative: NONE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: JIREH RESOURCES, LLC Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
2526 EAST 71ST ST. STE A Well Name/No.: McCOMB 4W 4W Status: AI  
TULSA, OK 74136 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
Phone: \_\_\_\_\_ Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, -96.509579 G

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: JIREH RESOURCES, LLC  
Inspect No.: iLMS1416255665 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 9/13/2010 Test Result: \_\_\_\_\_ Casing: 4.500 in. Tubing: 2.375 in. USDW: 637 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>240</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>COMP</u>	<u>OV</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE INJECTION WELL

Evaluation: Name: D. Adams Date: 6-23-14

Inspection Results: 1 Follow-up: A Reason: See

Violation Code: None Frequency: NR

Received Date: 6/23/2014



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

Annual Disposal/Injection Well Monitoring Report

**Operator:** JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**Owner:** JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**State:** OK **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/330W

**Well Activity**

Enhanced Recovery

No. of Wells: 7

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

m'Comb

**Well Number**

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2013	185	220	13,500			
May 2013						
Jun 2013						
Jul 2013						
Aug 2013						
Sep 2013						
Oct 2013						
Nov 2013						
Dec 2013						
Jan 2014						
Feb 2014						
Mar 2014						

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

Lanny Woods  
manager

**Signature:**



**Date Signed:**

4/17/2014



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**Owner:** JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/330W

**Well Activity**

Enhanced Recovery

No. of Wells: 1

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

McComb

**Well Number**

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2012	100	200	24110			
May 2012			25650			
Jun 2012			23910			
Jul 2012			24650			
Aug 2012			24890			
Sep 2012			23760			
Oct 2012			25500			
Nov 2012			25120			
Dec 2012			25160			
Jan 2013			26100			
Feb 2013			24520			
Mar 2013			25100			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

**Signature:**

**Date Signed:**

Nathan Buchanan  
Nathan Buchanan

Operations Manager

8/15/2013

**United States Environmental Protection Agency**  
**Underground Injection Control Program**  
 1445 Ross Avenue  
 Dallas, TX 75202-2733

29

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** JIREH RESOURCES

 2526 EAST 71ST STREET, SUITE A  
 TULSA OK 74136

**Owner:** JIREH RESOURCES

 2526 EAST 71ST STREET, SUITE A  
 TULSA OK 74136

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/330W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**
☐ Individual

☐ Area

**Lease Name**

McComb

**Well Number**

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2011	150	250	26,300			
May 2011			26,300			
Jun 2011			26,100			
Jul 2011			26,100			
Aug 2011			22,500			
Sep 2011			21,500			
Oct 2011			19,500			
Nov 2011			19,400			
Dec 2011			19,300			
Jan 2012			18,500			
Feb 2012			17,300			
Mar 2012			15,200			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

 NATHAN BUCHANAN  
 Operations Manager

**Signature:**

Nathan Buchanan

**Date Signed:**

7/1/2012

29

**United States Environmental Protection Agency**  
**Underground Injection Control Program**  
 1445 Ross Avenue  
 Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**Owner:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/330W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

McComb

**Well Number**

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2010	Vac	200	26,200			
May 2010			25,900			
Jun 2010			26,00			
Jul 2010			26,300			
Aug 2010			26,100			
Sep 2010			25,450			
Oct 2010			26,180			
Nov 2010			26,325			
Dec 2010			26,200			
Jan 2011			25,850			
Feb 2011			26,000			
Mar 2011			26,175			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

See Webb Director of operations

[Signature]

8/19/11

**Name and Official Title:**

**Signature:**

**Date Signed:**



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens Dt/Tm Inspected: 2/14/2011 1:00:00 PM Duration: 0.8  
Operator Representative: NONE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: Wandering Star Partners #1 Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
PO Box 1452 Well Name/No.: \_\_\_\_\_ 4W Status: AI  
Pawhuska, OK 74056 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, -96.509579 G

**ROUTINE UIC INSPECTION**

Purpose: EPA Request Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iLMS1104735207 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 9/13/2010 Test Result: \_\_\_\_\_ Casing: 4.500 in. Tubing: 2.375 in. USDW: 637 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>125</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>UIC</u>	<u>OV</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**

ACTIVE WELL; WELL IS CYCLING ON AND OFF PERIODICALLY. SAT THRU 2 CYCLES OF INJECTING AND STATIC REST AND PRESSURE ALWAYS WENT TO 125 MAXIMUM.

Evaluation: Name: *Donald J. Smith* Date: 2/18/11

Inspection Results: 1 Follow-up: A Reason: See

Violation Code: None Frequency: NR

Received Date: 2/17/2011



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens Dt/Tm Inspected: 1/14/2011 11:15:00 AM Duration: 0.4  
Operator Representative: NONE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: Wandering Star Partners #1 Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
PO Box 1452 Well Name/No.: \_\_\_\_\_ 4W Status: AI  
Pawhuska, OK 74056 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, -96.509579 G

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iLMS1101828992 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 9/13/2010 Test Result: \_\_\_\_\_ Casing: 4.500 in. Tubing: 2.375 in. USDW: 637 ft subsurf

Monitoring Device Elected: \_\_\_\_\_

Monitoring Device: \_\_\_\_\_

FLM Canister Pressure: \_\_\_\_\_

Lease Status: Active

Barrel Monitor Hooked Up?: \_\_\_\_\_

Barrel Fluid Level (%): \_\_\_\_\_

Flowline Hooked Up?: YInjecting?: Y**Tubing Annulus**Fittings: Y Y **AUTHORIZED**Actual Pressure: 240 0 Max Pressure: 683How Determined?: COMP OV Min Req Press: \_\_\_\_\_

Static Fluid Level: \_\_\_\_\_ Max Rate: \_\_\_\_\_

How Determined?: \_\_\_\_\_

Injection Rate (bpd): \_\_\_\_\_ How Rate Determined? \_\_\_\_\_

**Comments****ACTIVE WELL**

Evaluation: Name: *Ronald J. [Signature]* Date: 1/24/11

Inspection Results: 1 Follow-up: A Reason: See

Violation Code: None Frequency: NR

Received Date: 1/21/2011



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens Dt/Tm Inspected: 9/13/2010 11:30:00 AM Duration: 0.7  
Operator Representative: STAN McKINNEY Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: Wandering Star Partners #1 Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
PO Box 1452 Well Name/No.: \_\_\_\_\_ 4W Status: AI  
Pawhuska, OK 74056 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, -96.509579 G

**ROUTINE W/MIT INSPECTION**

Purpose: \_\_\_\_\_ Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iLMS1025649628 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 9/13/2010 Test Result: \_\_\_\_\_ Casing: 4.500 in. Tubing: 2.375 in. USDW: 637 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: N  
Injecting?: N

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>OV</u>	<u>OV</u>	Min Req Press: _____
Static Fluid Level:	_____	<u>0</u>	Max Rate: _____
How Determined?:	_____	<u>O</u>	
Injection Rate (bpd):	_____	How Rate Determined?	_____

**Comments**

ACTIVE WELL; POST WORKOVER MIT; PICK UP 1 JT TUBING AND ADD TO TUBING STRING.  
MOVED PACKER DOWN HOLE; HELD PRESSURE OK

Evaluation: Name: *Parvinder Grewal* Date: 9/30/10  
Inspection Results: 10 Follow-up: A Reason: See  
Violation Code: None Frequency: NR Received Date: 9/22/2010



**Mechanical Integrity Test Results**

SCAN CODE: 28

**Casing or Annulus Pressure Test****Osage Nation / Environmental Protection Agency**P.O. Box 1495  
Pawhuska, OK 74056Inspector: Larry Stephens Test Date: 09/13/2010 Test Time: 11:30 AM  
Operator Representative: STAN McKINNEY Date Report Sent to Operator: \_\_\_\_\_**General Well Data**Operator: Wandering Star Partners #1 - Inventory Number: OS0924  
PO Box 1452 API Well No.: 35-113-09365-00-00  
Pawhuska, OK 74056 Well Name/No.: \_\_\_\_\_  
Location: SW 1 27N 7E 1650S - 330W  
Phone: (918) 287-2339 Field name: \_\_\_\_\_  
Injection Interval: 2496 - 2514 USDW Bot: 637 Well Type: EOR  
Annulus Fluid Type: PFFW Concentric Pkr: - Packer Depth: 2436 Casing: 4.500 in. Tubing: 2.375 in.**Tubing and Annulus Pressure Test Results**Type of MIT: Std. Annulus Pres. Test Test Reason: Post Workover Test  
Inj. Status: N Inj. Rate: \_\_\_\_\_ bpd Tubular Lining: Seal-tite Dual Time Since Ann Filled: \_\_\_\_\_ Hrs

	<u>Time</u>	<u>Tubing Pressure</u>	<u>Time</u>	<u>Annulus Pressure</u>		<u>Flowback Pressure</u>	<u>Volume</u>
Pre-Test:		<u>0</u>		<u>0</u> psi	High:	<u>390</u> psi	
Initial:	<u>11:15 AM</u>	<u>0</u>		<u>390</u> psi	Mid:	<u>100</u> psi	<u>4750</u> ml
Mid:	<u>11:30 AM</u>	<u>0</u>		<u>390</u> psi	Low:	<u>20</u> psi	<u>1000</u> ml
Final:	<u>11:45 AM</u>	<u>0</u>		<u>390</u> psi	End:	<u>0</u> psi	<u>200</u> ml
					Total Volume:		<u>5950</u> ml

**Casing/Tubing Annulus Monitoring**Device: \_\_\_\_\_  
Fluid Level: \_\_\_\_\_ Annulus Prs: \_\_\_\_\_ psi  
Test Result: Acceptable  
Failure Type: \_\_\_\_\_  
Failure Cause: \_\_\_\_\_  
Repair Due: \_\_\_\_\_  
Engineer Signature: Rick L. Davis  
Review Date: 09/20/2010**ADA Pressure Test - Required Test Pressure**

(Fluid Column Ht \* Specific Gravity \* .433 / N2 Wt Fac = Required Test Pressure)

	<u>Tubing</u>	<u>Annulus</u>
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

**Additional Comments for Mechanical Integrity Test**PACKER SET AT 2436.20; HELD PRESSURE OK

**United States Environmental Protection Agency**  
**Underground Injection Control Program**  
 1445 Ross Avenue  
 Dallas, TX 75202-2733

(29)

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**Owner:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW      **Section:** 01      **Township:** 27N      **Range:** 07E      **Surface Location:** 1650S/330W

**Well Activity**

Enhanced Recovery  
 No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual  
☐ Area

**Lease Name**

McComb

**Well Number**

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2009	Vac	200	26,300			
May 2009			26,400			
Jun 2009			26,200			
Jul 2009			26,100			
Aug 2009			26,320			
Sep 2009			26,350			
Oct 2009			26,150			
Nov 2009			26,180			
Dec 2009			26,200			
Jan 2010			26,325			
Feb 2010			25,890			
Mar 2010			26,300			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Joe Webb Director of Operations

[Signature]

4/14/10

**Name and Official Title:**

**Signature:**

**Date Signed:**



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens Dt/Tm Inspected: 8/26/2010 10:30:00 AM Duration: 0.3  
Operator Representative: NONE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: Wandering Star Partners #1 Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
PO Box 1452 Well Name/No.: \_\_\_\_\_ 4W Status: AI  
Pawhuska, OK 74056 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, -96.509579 G

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iLMS1023850643 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 10/16/2007 Test Result: \_\_\_\_\_ Casing: 4.500 in. Tubing: 2.375 in. USDW: 637 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>275</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>COMP</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE WELL

Evaluation: Name: *Franklin J. Yu* Date: 9/3/10

Inspection Results: 1 Follow-up: A Reason: Sec

Violation Code: None Frequency: NR

Received Date: 9/2/2010



29

United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

**Owner:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/330W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

McCumb

**Well Number**

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2008	Vac	200	26,121			
May 2008			26,647			
Jun 2008			26,119			
Jul 2008			26,215			
Aug 2008			26,341			
Sep 2008			26,308			
Oct 2008			26,156			
Nov 2008			26,121			
Dec 2008			26,129			
Jan 2009			26,285			
Feb 2009			26,299			
Mar 2009			26,314			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

John M. Parls

**Signature:**

[Signature]

**Date Signed:**

06-09-09

Production Foreman

**United States Environmental Protection Agency**  
**Underground Injection Control Program**  
 1445 Ross Avenue  
 Dallas, TX 75202-2733

29

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**Owner:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/330W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

McComb

**Well Number**

4W

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2007	Vac	200	26,319			
May 2007			26,367			
Jun 2007			26,160			
Jul 2007			26,647			
Aug 2007			25,677			
Sep 2007			25,008			
Oct 2007			26,119			
Nov 2007			25,317			
Dec 2007			25,890			
Jan 2008			26,019			
Feb 2008			26,121			
Mar 2008			26,209			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

John M. Asks

**Signature:**

[Signature]

**Date Signed:**

4-08-08

Operation Manager

DS



**Mechanical Integrity Test Results**

SCAN CODE: 28

**Casing or Annulus Pressure Test****Osage Nation / Environmental Protection Agency**

P.O. Box 1495

Pawhuska, OK 74056

Inspector: J. Andrew Yates Test Date: 10/16/2007 Test Time: 11:30 AM  
 Operator Representative: DANIEL PRADMORE Date Report Sent to Operator: \_\_\_\_\_

**General Well Data**

Operator: Wandering Star Partners #1 - Inventory Number: OS0924  
5105 Dtc Parkway, Ste. 450 API Well No.: 35-113-09365-00-00  
Greenwood, Co 80111 Well Name/No.: \_\_\_\_\_  
 Location: SW 1 27N 7E 1650S - 330W  
 Phone: (918) 287-2339 Field name: \_\_\_\_\_  
 Injection Interval: 2496 - 2514 USDW Bot: 637 Well Type: EOR  
 Annulus Fluid Type: PFFW Concentric Pkr: - Packer Depth: 2432 Casing: 4.500 in. Tubing: 2.375 in.

**Tubing and Annulus Pressure Test Results**

Type of MIT: Std. Annulus Pres. Test Test Reason: 5-year Test  
 Inj. Status: Y Inj. Rate: \_\_\_\_\_ bpd Tubular Lining: Plastic Time Since Ann Filled \_\_\_\_\_ Hrs

	<u>Time</u>	<u>Tubing Pressure</u>	<u>Time</u>	<u>Annulus Pressure</u>
Pre-Test:		<u>20</u>		<u>0</u> psi
Initial:	<u>11:30 AM</u>	<u>20</u>		<u>225</u> psi
Mid:	<u>11:45 AM</u>	<u>20</u>		<u>225</u> psi
Final:	<u>12:00 PM</u>	<u>20</u>		<u>225</u> psi

<u>Flowback</u>	<u>Pressure</u>	<u>Volume</u>
High:	<u>225</u> psi	
Mid:	<u>100</u> psi	<u>1500</u> ml
Low:	<u>20</u> psi	<u>1000</u> ml
End:	<u>0</u> psi	<u>500</u> ml
Total Volume:		<u>3000</u> ml

**Casing/Tubing Annulus Monitoring**

Device: \_\_\_\_\_  
 Fluid Level: \_\_\_\_\_ Annulus Prs: \_\_\_\_\_ psi

Test Result: Acceptable  
 Failure Type: \_\_\_\_\_  
 Failure Cause: \_\_\_\_\_  
 Repair Due: \_\_\_\_\_  
 Engineer Signature Rick L. Davis  
 Review Date: 10/22/2007

**ADA Pressure Test - Required Test Pressure**

(Fluid Column Ht \* Specific Gravity \* .433 / N2 Wt Fac = Required Test Pressure)

	<u>Tubing</u>	<u>Annulus</u>
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

**Additional Comments for Mechanical Integrity Test**



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency****P. O. Box 1495  
Pawhuska, OK 74056**

Inspector: J. Andrew Yates Dt/Tm Inspected: 10/16/2007 11:30:00 AM Duration: 0.8  
Operator Representative: DANIEL PRADMORE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: Wandering Star Partners #1 Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
5105 Dtc Parkway, Ste. 450 Well Name/No.: \_\_\_\_\_ Status: AI  
Greenwood, Co 80111 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, 96.509579 G

**ROUTINE W/MIT INSPECTION**

Purpose: \_\_\_\_\_ Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: ijAY0729534588 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 10/16/2007 Test Result: \_\_\_\_\_ Casing: 7.000 in. Tubing: 2.375 in. USDW: 637 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	<b>Tubing</b>	<b>Annulus</b>	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>20</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	<u>0</u>	Max Rate: _____
How Determined?:	_____	<u>O</u>	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE WELL, HELD PRESSURE-OK.

Evaluation: Name: *Daniel Pradmore* Date: 10/30/07

Inspection Results: 1 Follow-up: A Reason: See

Violation Code: None Frequency: NR

Received Date: 10/25/2007

29

United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056-

**Owner:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056-

**State:** OK **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0330W

**Well Activity**

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

McComb

**Well Number**

4W

**North Quadrant Reporting Form**

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2006	<u>vac</u>	<u>190</u>	<u>24,317</u>			
May	2006			<u>25,467</u>			
Jun	2006			<u>26,572</u>			
Jul	2006			<u>26,610</u>			
Aug	2006			<u>26,540</u>			
Sep	2006			<u>26,376</u>			
Oct	2006			<u>25,762</u>			
Nov	2006			<u>26,705</u>			
Dec	2006			<u>26,817</u>			
Jan	2007			<u>25,962</u>			
Feb	2007			<u>25,875</u>			
Mar	2007			<u>26,217</u>			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

John Parks

**Signature:**

[Signature]

**Date Signed:**

4-13-07

Operation Manager

4-17-07 DS



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**P. O. Box 1495  
Pawhuska, OK 74056Inspector: J. Andrew Yates Dt/Tm Inspected: 9/5/2006 1:00:00 PM Duration: 0.3  
Operator Representative: NONE. Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_**General Well Data and Inspection Information**Operator: WANDERING STAR PARTNERS #1 Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
5105 DTC PARKWAY, STE. 450 Well Name/No.: \_\_\_\_\_ Status: AI  
GREENWOOD, CO 80111 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, 96.509579 G**ROUTINE UIC INSPECTION**Purpose: Routine Periodic Responsible Company at Time of Inspection: WANDERING STAR PARTNERS #1  
Inspect No.: iUNK0625439034 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_**Pressures / Conditions**Date Last MIT: 10/7/2002 Test Result: \_\_\_\_\_ Casing: 7.000 in. Tubing: 2.375 in. USDW: 637 ft subsurfMonitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>55</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE WELL.Evaluation: Name: *Richard J. [Signature]* Date: 9/14/06Inspection Results: 1 Follow-up: A Reason: SeeViolation Code: None Frequency: NR

Received Date: 9/14/2006



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

## Annual Disposal/Injection Well Monitoring Report

**Operator:** WANDERING STAR PARTNERS NO. 1, LLLP  
PO BOX 1452  
PAWHUSKA OK 74056-

**Owner:** WANDERING STAR PARTNERS NO. 1, LLLP  
PO BOX 1452  
PAWHUSKA OK 74056-

**State:** OK **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0330W

Well Activity

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

Type of Permit

☐ Individual

☐ Area

Lease Name

McComb

Well Number

4W

## North Quadrant Reporting Form

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2005	<u>Vac</u>	<u>190</u>	<u>24,328</u>			
May	2005			<u>25,123</u>			
Jun	2005			<u>26,210</u>			
Jul	2005			<u>26,540</u>			
Aug	2005			<u>26,215</u>			
Sep	2005			<u>26,610</u>			
Oct	2005			<u>26,427</u>			
Nov	2005			<u>26,256</u>			
Dec	2005			<u>26,638</u>			
Jan	2006			<u>26,221</u>			
Feb	2006			<u>24,411</u>			
Mar	2006			<u>26,130</u>			

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

John Parks  
Operation Manager

**Signature:**



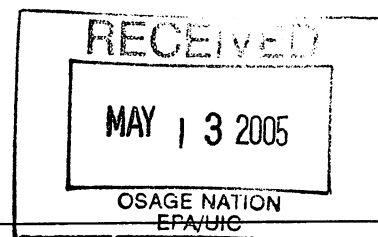
**Date Signed:**

4-20-06

MAY 4 2006

55-06  
R

United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733



### Annual Disposal/Injection Well Monitoring Report

**Operator:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**Owner:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**State:** OK **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0330W

#### Well Activity

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

#### Type of Permit

☒ Individual

☐ Area

#### Lease Name

McComb

#### Well Number

4W

### North Quadrant Reporting Form

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2004	Vacuum	190	25,683	-----	-----	-----
May	2004	Vacuum	190	26,378	-----	-----	-----
Jun	2004	Vacuum	190	25,410	-----	-----	-----
Jul	2004	Vacuum	190	26,297	-----	-----	-----
Aug	2004	Vacuum	190	25,641	-----	-----	-----
Sep	2004	Vacuum	190	26,097	-----	-----	-----
Oct	2004	Vacuum	190	26,069	-----	-----	-----
Nov	2004	Vacuum	190	25,879	-----	-----	-----
Dec	2004	Vacuum	190	25,680	-----	-----	-----
Jan	2005	Vacuum	190	25,702	-----	-----	-----
Feb	2005	Vacuum	190	24,210	-----	-----	-----
Mar	2005	Vacuum	190	26,008	-----	-----	-----

### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

**Signature:**

**Date Signed:**

John T. Hull - Owner/Operator

*John T. Hull*

5-6-05

7-7-05 DS





**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**P. O. Box 1495  
Pawhuska, OK 74056Inspector: J. Andrew Yates Dt/Tm Inspected: 9/3/2004 12:30:00 PM Duration: 0.3  
Operator Representative: NONE. Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_**General Well Data and Inspection Information**Operator: HULL OIL COMPANY Inventory No.: OS0924 API Well No. 35-113-09365-00-00  
PO BOX 1268 Well Name/No.: 4W Status: AI  
PAWHUSKA, OK 74056 Location: SW 1 27N 7E 330W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.844596, 96.509579 G**ROUTINE UIC INSPECTION**Purpose: Routine Periodic Responsible Company at Time of Inspection: HULL OIL COMPANY  
Inspect No.: iJAY0425132077 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_**Pressures / Conditions**Date Last MIT: 10/7/2002 Test Result: \_\_\_\_\_ Casing: 7.000 in. Tubing: 2.375 in. USDW: 637 ft subsurfMonitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>200</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE WELL.Evaluation: Name: *Ronald J. Jones* Date: 9/22/04Inspection Results: 1 Follow-up: A Reason: SeeViolation Code: None Frequency: NR

Received Date: 9/10/2004

SEP 30 2004

9/23/04  
*[Signature]*

IMAGING ROOM  
RECEIVED

2004 SEP 28 AM 7:34



29

United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**Owner:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**State:** OK **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0330W

**Well Activity**

ENHANCED RECOVERY

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

McComb

**Well Number**

4W

No. of Wells: \_\_\_\_\_

**North Quadrant Reporting Form**

Month Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2003	Vacuum	190	25,113	-----	-----	-----
May 2003	Vacuum	190	25,077	-----	-----	-----
Jun 2003	Vacuum	190	26,436	-----	-----	-----
Jul 2003	Vacuum	190	26,790	-----	-----	-----
Aug 2003	Vacuum	190	26,203	-----	-----	-----
Sep 2003	Vacuum	190	26,449	-----	-----	-----
Oct 2003	Vacuum	190	26,753	-----	-----	-----
Nov 2003	Vacuum	190	26,284	-----	-----	-----
Dec 2003	Vacuum	190	26,792	-----	-----	-----
Jan 2004	Vacuum	190	26,189	-----	-----	-----
Feb 2004	Vacuum	190	24,548	-----	-----	-----
Mar 2004	Vacuum	190	26,164	-----	-----	-----

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

**Signature:**

**Date Signed:**

Owner/Operator

*John I. Hull*

4-28-04

JUN 23 2004

6-17-04  
DS

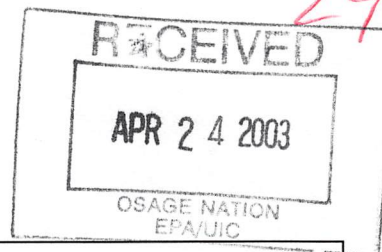


IMAGING ROOM  
RECEIVED

2004 JUN 22 AM 9:59

MAY 01 2003

United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733



## Annual Disposal/Injection Well Monitoring Report

Operator: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory Number: OS0924000

Qtr Section: SW

Section: 01

Township: 27N

Range: 07E

Surface Location: 1650S-0330W

Well Activity

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

Type of Permit☒ Individual☐ AreaLease Name

McComb

Well Number

4W

## North Quadrant Reporting Form

Month Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2002	Vacuum	190	26,094	-----	-----	-----
May 2002	Vacuum	190	26,401	-----	-----	-----
Jun 2002	Vacuum	190	26,298	-----	-----	-----
Jul 2002	Vacuum	190	26,523	-----	-----	-----
Aug 2002	Vacuum	190	26,764	-----	-----	-----
Sep 2002	Vacuum	190	26,161	-----	-----	-----
Oct 2002	Vacuum	190	26,481	-----	-----	-----
Nov 2002	Vacuum	190	26,433	-----	-----	-----
Dec 2002	Vacuum	190	27,178	-----	-----	-----
Jan 2003	Vacuum	190	26,789	-----	-----	-----
Feb 2003	Vacuum	190	24,197	-----	-----	-----
Mar 2003	Vacuum	190	26,677	-----	-----	-----

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

John T. Hull - Owner/Operator

4-23-03

MAY 29 2003

5-12-03  
DS

IMAGING ROOM  
RECEIVED

2003 MAY 13 PM 1:43

CIVIL SERVICE

WVA 01-0000

WVA 51-0000



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency****P. O. Box 1495  
Pawhuska, OK 74056**

Inspector: J. Andrew Yates Dt/Tm Inspected: 10/7/02 1:00:00 PM Duration: 0.8  
Operator Representative: DEWAYNE REED Dt Scheduled: \_\_\_\_\_ Dt Op Notified: \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: HULL OIL COMPANY Inventory No.: OS0924 API Well No.: 35-113-09365-00-00  
PO BOX 1268 Well Name/No.: 4W Status: \_\_\_\_\_  
PAWHUSKA, OK 74056 Location: SW 1 27N 7E 330W - 1650S  
Phone: (918) 287-2339 Field Name: \_\_\_\_\_ Well Type: EOR

**ROUTINE W/MIT INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: HULL OIL COMPANY  
Inspect No.: iJAY0228730455 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 10/7/02 Test Result: \_\_\_\_\_ Casing: 7.000 in. Tubing: 2.375 in. USDW: 637 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: N

	<u>Tubing</u>	<u>Annulus</u>	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	<u>0</u>	Max Rate: _____
How Determined?:	_____	<u>O</u>	
Injection Rate (bpd):	_____	How Rate Determined?	_____

**Comments**

ACTIVE WELL, HELD PRESSURE - OK.

SS  
DEC 06 2002

Evaluation: Name: Purabel G. Smith Date: 10/22/02

Inspection Results: 1 Follow-up: A Reason: Sec

Violation Code: None Frequency: NR

Received Date: 10/21/02

10/22/02





**Mechanical Integrity Test Results**

SCAN CODE: 28

**Casing or Annulus Pressure Test****Osage Nation / Environmental Protection Agency**

P.O. Box 1495

Pawhuska, OK 74056

Inspector: J. Andrew YatesTest Date: 10/07/2002Test Time: 1:00 PMOperator Representative: DEWAYNE REED

Date Report Sent to Operator: \_\_\_\_\_

**General Well Data**Operator: HULL OIL COMPANY - 107Inventory Number: OS0924PO BOX 1268API Well No.: 35-113-09365-00-00PAWHUSKA, OK 74056Well Name/No.: 4WLocation: SW 1 27N 7E 1650S - 330WPhone: (918) 287-2339

Field name: \_\_\_\_\_

Injection Interval: 2496 - 2514 USDW Bot: 637Well Type: EORAnnulus Fluid Type: \_\_\_\_\_ Concentric Pkr: - Packer Depth: 2432 Casing: 7.000 in. Tubing: 2.375 in.**Tubing and Annulus Pressure Test Results**Type of MIT: Std. Annulus Pres. TestTest Reason: Post Workover TestInj. Status: N Inj. Rate: \_\_\_\_\_ bpd Tubular Lining: Plastic Time Since Ann Filled: \_\_\_\_\_ Hrs

	Time	Tubing Pressure	Time	Annulus Pressure
Pre-Test:		<u>0</u>		<u>0</u> psi
Initial:	<u>1:00 PM</u>	<u>0</u>		<u>200</u> psi
Mid:	<u>1:15 PM</u>	<u>0</u>		<u>200</u> psi
Final:	<u>1:30 PM</u>	<u>0</u>		<u>200</u> psi

Flowback	Pressure	Volume
High:	<u>200</u> psi	
Mid:	<u>100</u> psi	<u>1300</u> ml
Low:	<u>20</u> psi	<u>1500</u> ml
End:	<u>0</u> psi	<u>400</u> ml
Total Volume:		<u>3200</u> ml

**Casing/Tubing Annulus Monitoring**

Device: \_\_\_\_\_

Fluid Level: \_\_\_\_\_ Annulus Prs: \_\_\_\_\_ psi

Test Result: Acceptable

Failure Type: \_\_\_\_\_

Failure Cause: \_\_\_\_\_

Repair Due: \_\_\_\_\_

Engineer Signature: Kent W. SanbornReview Date: 10/23/2002**ADA Pressure Test - Required Test Pressure**

(Fluid Column Ht \* Specific Gravity \* .433 / N2 Wt Fac = Required Test Pressure)

	Tubing	Annulus
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

**Additional Comments for Mechanical Integrity Test**CO. RUN 4.5" CSG. LINER IN WELL.

DEC 06 2002

10/31/02

Received Date: 10/31/02



IMAGING ROOM  
RECEIVED

2002 NOV 20 AM 11:29



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency****P. O. Box 1495  
Pawhuska, OK 74056**

Inspector: J. Andrew Yates Dt/Tm Inspected: 9/11/02 10:30:00 AM Duration: 0.2  
Operator Representative: NONE. Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: HULL OIL COMPANY Inventory No.: OS0924 API Well No.: 35-113-09365-00-00  
PO BOX 1268 Well Name/No.: 4W Status: \_\_\_\_\_  
PAWHUSKA, OK 74056 Location: SW 1 27N 7E 330W - 1650S  
Phone: (918) 287-2339 Field Name: \_\_\_\_\_ Well Type: EOR

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: HULL OIL COMPANY  
Inspect No.: iJAY0225648160 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 8/9/01 Test Result: A Casing: 7.000 in. Tubing: 2.375 in. USDW: 637 ft subsurf

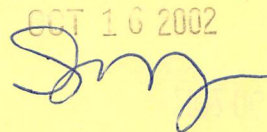
Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: N  
Injecting?: N

	<u>Tubing</u>	<u>Annulus</u>	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>	<u>0</u>	Max Pressure: <u>683</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	<u>987</u>	<u>0</u>	Max Rate: _____
How Determined?:	<u>E</u>	<u>E</u>	
Injection Rate (bpd):	<u>0</u>		How Rate Determined? _____

**Comments**

WELL IN PROCESS OF WORK-OVER, LG. PUMP  
CONNECTED TO CSG. ANNULUS. INJECTION LINE IS  
DISCONNECTED FROM WELL.

OCT 16 2002



Evaluation: Name: Ronald J. [Signature] Date: 9/17/02

Inspection Results: 1 Follow-up: A Reason: See

Violation Code: None Frequency: NR

Received Date: 9/17/02

9/23/02

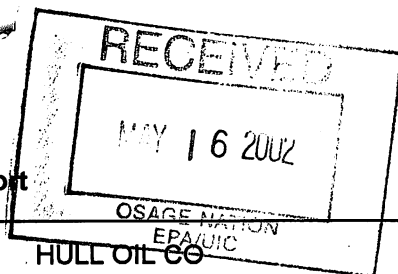
IMAGING ROOM  
RECEIVED

2002 OCT 10 AM 11:27



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**



**Operator:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**Owner:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**State:** OK **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0330W

**Well Activity**

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

McComb

**Well Number**

4W

**North Quadrant Reporting Form**

Month	Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
		Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2001	Vacuum	190	26,129	-----	-----	-----
May	2001	Vacuum	190	26,789	-----	-----	-----
Jun	2001	Vacuum	190	25,960	-----	-----	-----
Jul	2001	Vacuum	190	26,793	-----	-----	-----
Aug	2001	Vacuum	190	26,717	-----	-----	-----
Sep	2001	Vacuum	190	25,801	-----	-----	-----
Oct	2001	Vacuum	190	26,740	-----	-----	-----
Nov	2001	Vacuum	190	25,878	-----	-----	-----
Dec	2001	Vacuum	190	26,769	-----	-----	-----
Jan	2002	Vacuum	190	25,853	-----	-----	-----
Feb	2002	Vacuum	190	21,287	-----	-----	-----
Mar	2002	Vacuum	180	26,751	-----	-----	-----

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

**Signature:**

**Date Signed:**

John T. Hull Owner/Operator

*John T. Hull*

4-17-02

5-23-02  
BS

IMAGING ROOM  
RECEIVED

2002 MAY 24 PM 2:08

Doc 3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001

3001



## MECHANICAL INTEGRITY TEST

SCAN CODE: 28

Test Reason: WORKOVERInventory No: OS0924Company: HULL OIL COMPANYAddress: PO BOX 1268PAWHUSKA, OK 74056Phone: (918) 287-2339Well Name/Number: 4WLocation: SW/4; Sec. 1; T 27N; R 7EWell Type: Enhanced RecoveryCasing: 7.00 inches, Tubing: 2.88 inchesInjection Interval: 2496-2514 feetPacker Depth: 2431 feet USDW: 637 feetMechanical Integrity Test ResultsResults: PASS

Comments:

KENT SANBORN

Engineer

8/9/01

Date

**I. NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH CHANNELS ADJACENT TO THE WELLBORE**Technical Review: PASS How Determined: Cement Records**II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER****(A) TUBING-PACKER PRESSURE TEST**Injecting: NO Pressure: Tubing: \_\_\_\_\_ psi Casing: \_\_\_\_\_ psi**(B) CASING-TUBING ANNULUS PRESSURE TEST**

Injection Rate: \_\_\_\_\_ bpd Time Since Annulus Filled: \_\_\_\_\_

Annulus Fluid Type: SALTWATER

Time	Tubing Pressure	Annulus Pressure	Flowback	
<u>11:30AM</u>	_____ psi	<u>200</u> psi	High Pressure	_____ psi
	_____ psi	_____ psi	Mid Pressure	_____ psi Volume _____ ml
<u>12:00PM</u>	_____ psi	<u>200</u> psi	Low Pressure	_____ psi Volume _____ ml
			: End Pressure	<u>0</u> psi Volume _____ ml
			Total Volume	<u>7500</u> ml

**(C) ADA PRESSURE TEST**

(Fluid Column Height \* Specific Gravity \* .433/N2 Weight Factor = Required Test Pressure)

Tubing/Packer		Tubing/Casing Annulus	
Depth to Top Perf/Open Hole	_____ ft	Depth to Top Perf/Open Hole	_____ ft
Depth to Fluid Level	_____ ft	Depth to Fluid Level	_____ ft
Fluid Column Height	_____ ft	Fluid Column Height	_____ ft
Specific Gravity of Fluid	_____	Specific Gravity of Fluid	_____
Nitrogen Weight Factor	_____	Nitrogen Weight Factor	_____
Required Test Pressure	_____ psi	Required Test Pressure	_____ psi
Time	Pressure	Time	Pressure
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi

**(D) CASING-TUBING ANNULUS MONITORING**

System: \_\_\_\_\_ ; Fluid level above wellhead: \_\_\_\_\_

Annulus Pressure: \_\_\_\_\_ psi

**III. REMARKS: TOP JOINT IS 2 3/8.**Repairs: TUBING REPAIRBIA REQUIRED SIGN AT WELLDate: 8/9/01 UIC Office Witness: KENT SANBORN

Company Representative: \_\_\_\_\_

Received Date: 10/16/01

10/24/01



IMAGING ROOM  
RECEIVED

2001 OCT 26 AM 11:12



## MECHANICAL INTEGRITY TEST

SCAN CODE: 28

Test Reason: WELL REPAIRInventory No: OS0924Company: HULL OIL COMPANYAddress: PO BOX 1268PAWHUSKA, OK 74056Phone: (918) 287-2339Well Name/Number: 4WLocation: SW/4; Sec. 1; T 27N; R 7EWell Type: Enhanced RecoveryCasing: 7.00 inches, Tubing: 2.38 inchesInjection Interval: 2496-2514 feetPacker Depth: 2431 feet USDW: 637 feetMechanical Integrity Test ResultsResults: PASSComments: Re-test after hole in tubiKENT SANBORN

Engineer

8/9/01

Date

**I. NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH CHANNELS ADJACENT TO THE WELLBORE**Technical Review: PASS How Determined: Cement Records**II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER****(A) TUBING-PACKER PRESSURE TEST**Injecting: NO Pressure: Tubing: 0 psi Casing: 0 psi**(B) CASING-TUBING ANNULUS PRESSURE TEST**Injection Rate: 0 bpd Time Since Annulus Filled: \_\_\_\_\_Annulus Fluid Type: S.WTR

	Tubing		Annulus		Flowback	
Time	Pressure	Pressure	Pressure	Pressure	Volume	
<u>11:00AM</u>	<u>0</u> psi	<u>200</u> psi	High Pressure	_____ psi	_____ ml	
	<u>0</u> psi	_____ psi	Mid Pressure	_____ psi	_____ ml	
<u>11:00AM</u>	<u>0</u> psi	<u>200</u> psi	Low Pressure	_____ psi	_____ ml	
			: End Pressure	<u>0</u> psi	_____ ml	
				Total Volume	<u>7500</u> ml	

**(C) ADA PRESSURE TEST**

(Fluid Column Height \* Specific Gravity \* .433/N2 Weight Factor = Required Test Pressure)

Tubing/Packer			Tubing/Casing Annulus		
Depth to Top Perf/Open Hole	_____ ft		Depth to Top Perf/Open Hole	_____ ft	
Depth to Fluid Level	_____ ft		Depth to Fluid Level	_____ ft	
Fluid Column Height	_____ ft		Fluid Column Height	_____ ft	
Specific Gravity of Fluid	_____		Specific Gravity of Fluid	_____	
Nitrogen Weight Factor	_____		Nitrogen Weight Factor	_____	
Required Test Pressure	_____ psi		Required Test Pressure	_____ psi	
Time	Pressure		Time	Pressure	
_____	_____ psi	:	_____	_____ psi	
_____	_____ psi	:	_____	_____ psi	
_____	_____ psi	:	_____	_____ psi	

**(D) CASING-TUBING ANNULUS MONITORING**

System: \_\_\_\_\_ ; Fluid level above wellhead: \_\_\_\_\_

Annulus Pressure: \_\_\_\_\_ psi

**III. REMARKS:**Repairs: TUBING REPAIRBIA REQUIRED SIGN AT WELLDate: 8/9/01 UIC Office Witness: KENT SANBORN

Company Representative: \_\_\_\_\_



IMAGING ROOM  
RECEIVED

2001 OCT 26 AM 11:12



## MECHANICAL INTEGRITY TEST

SCAN CODE: 28

Test Reason: SCHEDULEDInventory No: OS0924Company: HULL OIL COMPANYAddress: PO BOX 1268PAWHUSKA, OK 74056Phone: (918) 287-2339Well Name/Number: 4WLocation: SW/4; Sec. 1; T 27N; R 7EWell Type: Enhanced RecoveryCasing: 7.00 inches, Tubing: 2.38 inchesInjection Interval: 2496-2514 feetPacker Depth: 2468 feet USDW: 637 feetMechanical Integrity Test ResultsResults: FAIL

Comments:

KENT SANBORN

Engineer

8/8/01

Date

**I. NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH CHANNELS ADJACENT TO THE WELLBORE**Technical Review: PASS How Determined: Cement Records**II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER**(A) TUBING-PACKER PRESSURE TEST

Injecting: \_\_\_\_\_ Pressure: \_\_\_\_\_ Tubing: \_\_\_\_\_ psi Casing: \_\_\_\_\_ psi

(B) CASING-TUBING ANNULUS PRESSURE TEST

Injection Rate: \_\_\_\_\_ bpd Time Since Annulus Filled: \_\_\_\_\_

Annulus Fluid Type: \_\_\_\_\_

Time	Tubing Pressure	Annulus Pressure	Flowback	
_____	_____ psi	_____ psi	_____ psi	High Pressure
_____	_____ psi	_____ psi	_____ psi	Mid Pressure
_____	_____ psi	_____ psi	_____ psi	Low Pressure
			<u>0</u> psi	End Pressure
			_____	Volume
			_____	Volume
			_____	Volume
			_____	Total Volume

(C) ADA PRESSURE TEST

(Fluid Column Height \* Specific Gravity \* .433/N2 Weight Factor = Required Test Pressure)

<u>Tubing/Packer</u>		<u>Tubing/Casing Annulus</u>	
Depth to Top Perf/Open Hole	_____ ft	Depth to Top Perf/Open Hole	_____ ft
Depth to Fluid Level	_____ ft	Depth to Fluid Level	_____ ft
Fluid Column Height	_____ ft	Fluid Column Height	_____ ft
Specific Gravity of Fluid	_____	Specific Gravity of Fluid	_____
Nitrogen Weight Factor	_____	Nitrogen Weight Factor	_____
Required Test Pressure	_____ psi	Required Test Pressure	_____ psi
Time	Pressure	Time	Pressure
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi

(D) CASING-TUBING ANNULUS MONITORING

System: \_\_\_\_\_ ; Fluid level above wellhead: \_\_\_\_\_

Annulus Pressure: \_\_\_\_\_ psi

**III. REMARKS: OPERATOR CALLED WITH VERBAL FAILURE.**Repairs: \_\_\_\_\_ BIA REQUIRED SIGN AT WELLDate: 8/6/01 UIC Office Witness: BEVERLY LACRONECompany Representative: TOM HULLReceived Date: 8/21/01

8/22/01

SEP 06 2001



IMAGING ROOM  
RECEIVED

2001 AUG 31 PM 2:04



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

## Annual Disposal/Injection Well Monitoring Report

APR 23 2001

Operator: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory Number: OS0924000

Qtr Section: SW Section: 01

Township: 27N

Range: 07E

Surface Location: 1650S-0330W

Well Activity

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

Type of Permit☒ Individual☐ AreaLease Name

McComb

Well Number

4W

## North Quadrant Reporting Form

Month Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2000	Vacuum	190	26,401	-----	-----	-----
May 2000	Vacuum	190	26,795	-----	-----	-----
Jun 2000	Vacuum	190	25,848	-----	-----	-----
Jul 2000	Vacuum	190	26,588	-----	-----	-----
Aug 2000	Vacuum	190	26,528	-----	-----	-----
Sep 2000	Vacuum	190	26,336	-----	-----	-----
Oct 2000	Vacuum	190	27,192	-----	-----	-----
Nov 2000	Vacuum	190	25,995	-----	-----	-----
Dec 2000	Vacuum	190	26,792	-----	-----	-----
Jan 2001	Vacuum	190	26,797	-----	-----	-----
Feb 2001	Vacuum	190	24,040	-----	-----	-----
Mar 2001	Vacuum	190	26,757	-----	-----	-----

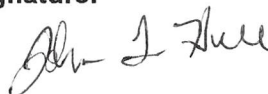
**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

John T. Hull - owner/operator

Signature:



Date Signed:

4-13-01

06-05-01  
DS



## ENVIRONMENTAL PROTECTION AGENCY

SCAN CODE: 30

## REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0924  
Operator: Name: DRUMMOND & HULL OIL CO  
Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
Phone: (918) 287-2339  
Company Contact: TOM HULL

WELL INFORMATION:

Well Name and Number: 4W  
Location: 0330 ft F W L, 1650 ft F S L; SW /4, Sec. 1, T 27 N, R 7 E  
Well Type: Enhanced Recovery  
Authorization: Rule Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: 683 psi Rate \_\_\_\_\_ BPM  
Long-String Casing Diameter: 7.00 inches Tubing diameter 2.375 inches  
Base of Underground Sources of Drinking Water: 637 Feet Subsurface  
Date of Latest MIT: 7/11/96 Latest MIT Results: Pass

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: 110 psi; How Determined? GAUGE.  
Annulus Pressure: 0 psi; How Determined? GAUGE.  
Injection Rate: ? bpd; How Determined? NOT AVAIL.  
Static Fluid Level:  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Samples Taken? NO Photographs Taken? NO

Observations: ACTIVE WELL EQUIPPED FOR OPERATION, CSG. HEAD W/ TBG.  
INJECTION LINE CONNECTED TO WELL.  
BIA required sign at well.

Inspection Date: 5/19/00 Time: Arrived: 9:35AM Departed: 9:45AM

Inspector: ANDREW YATES

Individual Contacted: NONE. Title: \_\_\_\_\_

Evaluation: Name: Carl E. Wells Date: 05/31/00  
Inspection Results: \_\_\_\_\_ Follow-up: A Frequency: NR  
Violation Code: None Reason: Sec  
Enforcement Letter Recommended: No

Report Received Date: 5/30/00

IMAGING ROOM  
RECEIVED

00 JUN -8 AM 10:49

Inventory No: 0885-1

Investigator Name: ROBERT

Company Name: BURNHAM & BURNHAM CO

Address: P.O. Box 1288

Lawrence, OR 97138

Phone: (503) 887-1111

Company Contact: TOM HULL

WELL INFORMATION:

Well Name and Number: 1W

Location: 0330 ft. F.W. 1250 ft. F.W. SW 1/4 Sec. 1 T21N. R2 E

Well Type: Enhanced Recovery

Authorization: Full

Authorized - Presented: 08/1/01

Long-String Casing Diameter: 7.60 inch x Tubing Diameter: 2.075 inch

Base of Unconsolidated Sources of Drilling Water: 517 feet Subsurface

Date of Latest MTR: 7/11/98 Latest MTR Results: Pass

CONDITIONS ON INSPECTION DATE:

Lease Status: Active

Well Status: Opened up for inspection YES

Required Filings: YES

Tubing/Annulus: 110 psi; How Determined? Gauge

Annulus Pressure: 0 psi; How Determined? Gauge

Injection Rate: ? bbl/d; How Determined? NOT AVAILABLE

Static Fluid Level:

Fluid: feed subsurface; How Determined?

Annulus: feed subsurface; How Determined?

Samples Taken? NO

Observations: ACTIVE WELL ROUTED FOR OPERATION. CRG. HND. W. TWO

UNKNOWN LANE CONNECTED TO WELL.

RTA required along all wells.

Inspection Date: 8/15/00 Time: Arrived 9:35AM Departed 2:55PM

Inspector: ANDREW RATES

Individuals Contacted: None

Title:

Signature: [Signature]

Date: 8/15/00

Frequency: 1

Violation Code: 110

Enforcement Letter Recommended: NO



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

RECEIVED

APR 24 2000

OSAGE NATION  
EPA/UIC

## Annual Disposal/Injection Well Monitoring Report

Operator: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

APR 27 2000

State: OK County: OSAGE

Inventory Number: OS0924000

Qtr Section: SW Section: 01

Township: 27N

Range: 07E

Surface Location: 1650S-0330W

Well Activity

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

Type of Permit☒ Individual☐ AreaLease Name

McComb

Well Number

4W

## North Quadrant Reporting Form

Month	Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
		Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	1999	Vacuum	190	26,417	-----	-----	-----
May	1999	Vacuum	190	26,324	-----	-----	-----
Jun	1999	Vacuum	190	26,681	-----	-----	-----
Jul	1999	Vacuum	190	26,325	-----	-----	-----
Aug	1999	Vacuum	190	26,444	-----	-----	-----
Sep	1999	Vacuum	190	26,244	-----	-----	-----
Oct	1999	Vacuum	190	26,795	-----	-----	-----
Nov	1999	Vacuum	190	26,039	-----	-----	-----
Dec	1999	Vacuum	190	26,440	-----	-----	-----
Jan	2000	Vacuum	190	26,480	-----	-----	-----
Feb	2000	Vacuum	190	25,241	-----	-----	-----
Mar	2000	Vacuum	190	27,081	-----	-----	-----

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

John T. Hull

John T. Hull

4-18-00

Operator

05-12-00  
PS





ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT  
UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

SCAN CODE: 30

Inspection Reason: ROUTINE Inventory No.: OS0924  
Operator: Name: DRUMMOND & HULL OIL CO  
Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
Phone: (918) 287-2339  
Individual Contacted: NONE Title: \_\_\_\_\_

WELL INFORMATION:

Well Name and Number: 4W  
Location: 0330 ft F W L, 1650 ft F S L; SW/4, Sec. 1, T 27 N, R 7 E  
Well Type: Enhanced Recovery  
Authorization: Rule Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: 683 psi Rate \_\_\_\_\_ BPM  
Long-String Casing Diameter: 7.00 inches Tubing diameter 2.375 inches  
Base of Underground Sources of Drinking Water: 637 Feet Subsurface

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: 15 psi; How Determined? U.I.C. GAUGE  
Annulus Pressure: 0 psi; How Determined? OPENED  
Injection Rate: \_\_\_\_\_ bpd; How Determined? \_\_\_\_\_  
Static Fluid Level:  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Samples Taken? NO Photographs Taken? NO

Observations: WELL IS ACTIVE AND WAS TAKING FLUID AT TIME OF INSPECTION.  
TUBING IS CONNECTED TO INJECTION LINE WITH A 1" HIGH PRESSURE  
HOSE.  
BIA required sign at well.

Inspection Date: 5/18/99 Time: Arrived: 1:50 P.M. Departed: 2:00 P.M.

Inspector: GARY SCOTT

*Passel MT  
07/11/96*

Evaluation: Name: Carl E. With Date: 05/27/99  
Inspection Results: \_\_\_\_\_ Follow-up: A Frequency: NR  
Violation Code: None Reason: Sec  
Enforcement Letter Recommended: No

*6/7/99*

IMAGING ROOM  
RECEIVED  
99 JUN -8 PM 3:58



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**Owner:** DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

APR 22 1999  
OSAGE COUNTY  
EPA/UIC

**State:** OK **County:** OSAGE

**Inventory Number:** OS0924000

**Qtr Section:** SW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0330W

**Well Activity**

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

McComb

**Well Number**

4W

**North Quadrant Reporting Form**

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Mar 98	<del>Apr</del> 1998	Vacuum	190	26,788	-----	-----	-----
Apr 98	<del>May</del> 1998	Vacuum	190	26,753	-----	-----	-----
May 98	<del>Jun</del> 1998	Vacuum	190	26,800	-----	-----	-----
Jun 98	<del>Jul</del> 1998	Vacuum	190	26,793	-----	-----	-----
Jul 98	<del>Aug</del> 1998	Vacuum	190	26,600	-----	-----	-----
Aug 98	<del>Sep</del> 1998	Vacuum	190	26,792	-----	-----	-----
Sep 98	<del>Oct</del> 1998	Vacuum	190	25,776	-----	-----	-----
Oct 98	<del>Nov</del> 1998	Vacuum	190	26,392	-----	-----	-----
Nov 98	<del>Dec</del> 1998	Vacuum	190	26,484	-----	-----	-----
Dec 98	<del>Jan</del> 1999	Vacuum	190	26,185	-----	-----	-----
Jan 99	<del>Feb</del> 1999	Vacuum	190	26,755	-----	-----	-----
Feb 99	<del>Mar</del> 1999	Vacuum	190	25,266	-----	-----	-----

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

**Signature:**

**Date Signed:**

John T. Hull - Operator

*John T. Hull*

4-19-99

5-20-99  
DS

United States Environmental Protection Agency  
Washington, D.C. 20480

29

ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

Operator: DRUMMOND & HULL OIL CO Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268 PO BOX 1268  
PAWHUSKA OK 74056 PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory No: 0924

Qtr. Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity Type of Permit Lease Name Well Number  
.....  
Enhanced Recovery ☒ Individual McComb 4W  
No. of Wells: \_\_\_\_ | \_\_\_\_ Area

==== North Quadrant Reporting Form ====

Month Yr	Injection Pressure		Total Volume Injected	Tubing-Casing Annulus Pressure (Optional Monitor)		
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Mar 1997	Vacuum	170	26,880			
Apr 1997	Vacuum	170	26,036			
May 1997	Vacuum	170	26,781			
Jun 1997	Vacuum	170	26,000			
Jul 1997	Vacuum	170	26,524			
Aug 1997	Vacuum	170	26,360			
Sep 1997	Vacuum	170	26,008			
Oct 1997	Vacuum	170	26,785			
Nov 1997	Vacuum	170	26,012			
Dec 1997	Vacuum	170	26,753			
Jan 1998	Vacuum	170	26,788			
Feb 1998	Vacuum	170	24,182			

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title Signature Date Signed  
John T. Hull - Operator *John T. Hull* 4-22-98

RECEIVED

APR 29 1998

OSAGE NATION  
EPA/UIC





ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

SCAN CODE: 30

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0924  
Operator: Name: DRUMMOND & HULL OIL CO  
Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
Phone: (918) 287-2339  
Individual Contacted: NONE Title: \_\_\_\_\_

WELL INFORMATION:

Well Name and Number: 4W  
Location: 0330 ft F W L, 1650 ft F S L; SW/4, Sec. 1, T 27 N, R 7 E  
Well Type: Enhanced Recovery  
Authorization: Rule Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: 683 psi Rate \_\_\_\_\_ BPM  
Long-String Casing Diameter: 7.00 inches Tubing diameter 2.375 inches  
Base of Underground Sources of Drinking Water: 637 Feet Subsurface

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: 40 psi; How Determined? U.I.C. GAUGE  
Annulus Pressure: 0 psi; How Determined? OPENED  
Injection Rate: \_\_\_\_\_ bpd; How Determined? \_\_\_\_\_  
Static Fluid Level: \_\_\_\_\_  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Samples Taken? NO Photographs Taken? NO

Observations: WELL IS ACTIVE AND WAS TAKING FLUID AT TIME OF INSPECTION.  
TUBING IS CONNECTED TO A 2" STEEL INJECTION LINE WITH 1" HIGH  
PRESSURE HOSE.  
BIA required sign at well.

Inspection Date: 3/24/98 Time: Arrived: 12:45 P.M. Departed: 12:55 P.M.

Inspector: GARY SCOTT

Evaluation: Name: *Harold J. Scott* Date: 4-3-98  
Inspection Results: 1 Follow-up: A Frequency: NR  
Violation Code: None Reason: See  
Enforcement Letter Recommended: No



IMAGING ROOM  
RECEIVED

90 APR 29 PM 2:17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17

10/3/17



ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056 (918-287-4041)

(30)

Inspection Reason: Yr+, statusInventory No.: OS0924Operator Name: Drummond and Hull Oil CompanyAddress: P.O. Box 1268Pawhuska, OK 74056Individual Contacted: welder

Title: \_\_\_\_\_

WELL INFORMATION:Well Name and No.: Blackland McComb #4WLocation: 1650 FSL; 0330 FWL; SW/4, Sec. 01, T 27N, R 07EWell Type: SWD X ER Dual OtherAuthorization: X Rule Permit NoneAuthorization to Inject: Yes No

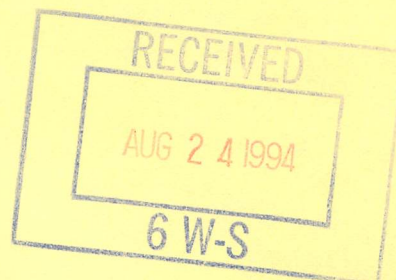
Authorized: Pressure: \_\_\_\_\_ psi Rate: \_\_\_\_\_ BPM

Long String Casing Diameter: 7 inches Tubing Diameter: 2.88 inchesBase of Underground Source of Drinking Water: 637 feet subsurfaceCONDITIONS ON INSPECTION DATE:Lease Status: X Active InactiveWell Status: Hooked up for injection? X Yes No Injecting? X Yes NoRequired Fittings: Tubing? X Yes No Annulus? X Yes No Not ApplicableInjection Pressure: vac psi; How Determined: company guageAnnulus Pressure: mbgtz psi; How Determined: when openedInjection Rate: ? bpd; How Determined: vibration noted

Static Fluid Level:

Tubing: \_\_\_\_\_ feet subsurface; How Determined: \_\_\_\_\_

Annulus: \_\_\_\_\_ feet subsurface; How Determined: \_\_\_\_\_

Samples Taken: noPhotographs Taken: noneObservations: Active well, tubing was taking fluid on a vacuum. Annulushad a moderate blow of gas to zero when opened.Mostly sunny, southeast winds at 10 mph, 90F, no readable sign.Inspection Date: 08/19/94 Time: Arrived: 1535 Departed: 1550Inspector: Clarence Edmonson, EPSEvaluation Name: Ronald J. Edmonson Date: 8-25-97Inspection Results: 1 Follow-Up: A Frequency: NRViolation Code: None Reason: See



United States Environmental Protection Agency  
Washington, D.C. 20480ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORTOperator: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

74

State: OK County: OSAGE

Inventory No: 0924

Qtr. Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity Type of Permit  
.....  
Enhanced Recovery ☒ Individual  
No. of Wells: \_\_\_\_ ☐ AreaLease Name  
.....  
McCombWell Number  
.....  
4W

==== North Quadrant Reporting Form ====

Jm 5-14

Injection  
PressureTotal Volume  
InjectedTubing-Casing Annulus  
Pressure (Optional Monitor)

Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1996	Vacuum	170	26,757			
May 1996	Vacuum	170	26,748			
Jun 1996	Vacuum	170	26,677			
Jul 1996	Vacuum	170	26,796			
Aug 1996	Vacuum	170	26,749			
Sep 1996	Vacuum	170	26,781			
Oct 1996	Vacuum	170	26,776			
Nov 1996	Vacuum	170	26,804			
Dec 1996	Vacuum	170	26,649			
Jan 1997	Vacuum	170	27,137			
Feb 1997	Vacuum	170	24,804			
Mar 1997	Vacuum	170	26,880			

## C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

John T. Hull

4-29-97

RECEIVED

MAY 13 1997

MAY -1 1997

OSAGE NATURAL  
EPA/UIC

IMAGING ROOM  
RECEIVED

97 AUG 25 PM 2:07

[illegible]

1. NAME \_\_\_\_\_  
 2. ADDRESS \_\_\_\_\_  
 3. CITY \_\_\_\_\_  
 4. STATE \_\_\_\_\_  
 5. ZIP \_\_\_\_\_  
 6. PHONE \_\_\_\_\_  
 7. DATE \_\_\_\_\_  
 8. SIGNATURE \_\_\_\_\_  
 9. PRINT NAME \_\_\_\_\_  
 10. PRINT ADDRESS \_\_\_\_\_  
 11. PRINT CITY \_\_\_\_\_  
 12. PRINT STATE \_\_\_\_\_  
 13. PRINT ZIP \_\_\_\_\_  
 14. PRINT PHONE \_\_\_\_\_  
 15. PRINT DATE \_\_\_\_\_  
 16. PRINT SIGNATURE \_\_\_\_\_  
 17. PRINT NAME \_\_\_\_\_  
 18. PRINT ADDRESS \_\_\_\_\_  
 19. PRINT CITY \_\_\_\_\_  
 20. PRINT STATE \_\_\_\_\_  
 21. PRINT ZIP \_\_\_\_\_  
 22. PRINT PHONE \_\_\_\_\_  
 23. PRINT DATE \_\_\_\_\_  
 24. PRINT SIGNATURE \_\_\_\_\_  
 25. PRINT NAME \_\_\_\_\_  
 26. PRINT ADDRESS \_\_\_\_\_  
 27. PRINT CITY \_\_\_\_\_  
 28. PRINT STATE \_\_\_\_\_  
 29. PRINT ZIP \_\_\_\_\_  
 30. PRINT PHONE \_\_\_\_\_  
 31. PRINT DATE \_\_\_\_\_  
 32. PRINT SIGNATURE \_\_\_\_\_  
 33. PRINT NAME \_\_\_\_\_  
 34. PRINT ADDRESS \_\_\_\_\_  
 35. PRINT CITY \_\_\_\_\_  
 36. PRINT STATE \_\_\_\_\_  
 37. PRINT ZIP \_\_\_\_\_  
 38. PRINT PHONE \_\_\_\_\_  
 39. PRINT DATE \_\_\_\_\_  
 40. PRINT SIGNATURE \_\_\_\_\_  
 41. PRINT NAME \_\_\_\_\_  
 42. PRINT ADDRESS \_\_\_\_\_  
 43. PRINT CITY \_\_\_\_\_  
 44. PRINT STATE \_\_\_\_\_  
 45. PRINT ZIP \_\_\_\_\_  
 46. PRINT PHONE \_\_\_\_\_  
 47. PRINT DATE \_\_\_\_\_  
 48. PRINT SIGNATURE \_\_\_\_\_  
 49. PRINT NAME \_\_\_\_\_  
 50. PRINT ADDRESS \_\_\_\_\_  
 51. PRINT CITY \_\_\_\_\_  
 52. PRINT STATE \_\_\_\_\_  
 53. PRINT ZIP \_\_\_\_\_  
 54. PRINT PHONE \_\_\_\_\_  
 55. PRINT DATE \_\_\_\_\_  
 56. PRINT SIGNATURE \_\_\_\_\_  
 57. PRINT NAME \_\_\_\_\_  
 58. PRINT ADDRESS \_\_\_\_\_  
 59. PRINT CITY \_\_\_\_\_  
 60. PRINT STATE \_\_\_\_\_  
 61. PRINT ZIP \_\_\_\_\_  
 62. PRINT PHONE \_\_\_\_\_  
 63. PRINT DATE \_\_\_\_\_  
 64. PRINT SIGNATURE \_\_\_\_\_  
 65. PRINT NAME \_\_\_\_\_  
 66. PRINT ADDRESS \_\_\_\_\_  
 67. PRINT CITY \_\_\_\_\_  
 68. PRINT STATE \_\_\_\_\_  
 69. PRINT ZIP \_\_\_\_\_  
 70. PRINT PHONE \_\_\_\_\_  
 71. PRINT DATE \_\_\_\_\_  
 72. PRINT SIGNATURE \_\_\_\_\_  
 73. PRINT NAME \_\_\_\_\_  
 74. PRINT ADDRESS \_\_\_\_\_  
 75. PRINT CITY \_\_\_\_\_  
 76. PRINT STATE \_\_\_\_\_  
 77. PRINT ZIP \_\_\_\_\_  
 78. PRINT PHONE \_\_\_\_\_  
 79. PRINT DATE \_\_\_\_\_  
 80. PRINT SIGNATURE \_\_\_\_\_  
 81. PRINT NAME \_\_\_\_\_  
 82. PRINT ADDRESS \_\_\_\_\_  
 83. PRINT CITY \_\_\_\_\_  
 84. PRINT STATE \_\_\_\_\_  
 85. PRINT ZIP \_\_\_\_\_  
 86. PRINT PHONE \_\_\_\_\_  
 87. PRINT DATE \_\_\_\_\_  
 88. PRINT SIGNATURE \_\_\_\_\_  
 89. PRINT NAME \_\_\_\_\_  
 90. PRINT ADDRESS \_\_\_\_\_  
 91. PRINT CITY \_\_\_\_\_  
 92. PRINT STATE \_\_\_\_\_  
 93. PRINT ZIP \_\_\_\_\_  
 94. PRINT PHONE \_\_\_\_\_  
 95. PRINT DATE \_\_\_\_\_  
 96. PRINT SIGNATURE \_\_\_\_\_  
 97. PRINT NAME \_\_\_\_\_  
 98. PRINT ADDRESS \_\_\_\_\_  
 99. PRINT CITY \_\_\_\_\_  
 100. PRINT STATE \_\_\_\_\_  
 101. PRINT ZIP \_\_\_\_\_  
 102. PRINT PHONE \_\_\_\_\_  
 103. PRINT DATE \_\_\_\_\_  
 104. PRINT SIGNATURE \_\_\_\_\_  
 105. PRINT NAME \_\_\_\_\_  
 106. PRINT ADDRESS \_\_\_\_\_  
 107. PRINT CITY \_\_\_\_\_  
 108. PRINT STATE \_\_\_\_\_  
 109. PRINT ZIP \_\_\_\_\_  
 110. PRINT PHONE \_\_\_\_\_  
 111. PRINT DATE \_\_\_\_\_  
 112. PRINT SIGNATURE \_\_\_\_\_  
 113. PRINT NAME \_\_\_\_\_  
 114. PRINT ADDRESS \_\_\_\_\_  
 115. PRINT CITY \_\_\_\_\_  
 116. PRINT STATE \_\_\_\_\_  
 117. PRINT ZIP \_\_\_\_\_  
 118. PRINT PHONE \_\_\_\_\_  
 119. PRINT DATE \_\_\_\_\_  
 120. PRINT SIGNATURE \_\_\_\_\_  
 121. PRINT NAME \_\_\_\_\_  
 122. PRINT ADDRESS \_\_\_\_\_  
 123. PRINT CITY \_\_\_\_\_  
 124. PRINT STATE \_\_\_\_\_  
 125. PRINT ZIP \_\_\_\_\_  
 126. PRINT PHONE \_\_\_\_\_  
 127. PRINT DATE \_\_\_\_\_  
 128. PRINT SIGNATURE \_\_\_\_\_  
 129. PRINT NAME \_\_\_\_\_  
 130. PRINT ADDRESS \_\_\_\_\_  
 131. PRINT CITY \_\_\_\_\_  
 132. PRINT STATE \_\_\_\_\_  
 133. PRINT ZIP \_\_\_\_\_  
 134. PRINT PHONE \_\_\_\_\_  
 135. PRINT DATE \_\_\_\_\_  
 136. PRINT SIGNATURE \_\_\_\_\_  
 137. PRINT NAME \_\_\_\_\_  
 138. PRINT ADDRESS \_\_\_\_\_  
 139. PRINT CITY \_\_\_\_\_  
 140. PRINT STATE \_\_\_\_\_  
 141. PRINT ZIP \_\_\_\_\_  
 142. PRINT PHONE \_\_\_\_\_  
 143. PRINT DATE \_\_\_\_\_  
 144. PRINT SIGNATURE \_\_\_\_\_  
 145. PRINT NAME \_\_\_\_\_  
 146. PRINT ADDRESS \_\_\_\_\_  
 147. PRINT CITY \_\_\_\_\_  
 148. PRINT STATE \_\_\_\_\_  
 149. PRINT ZIP \_\_\_\_\_  
 150. PRINT PHONE \_\_\_\_\_  
 151. PRINT DATE \_\_\_\_\_  
 152. PRINT SIGNATURE \_\_\_\_\_  
 153. PRINT NAME \_\_\_\_\_  
 154. PRINT ADDRESS \_\_\_\_\_  
 155. PRINT CITY \_\_\_\_\_  
 156. PRINT STATE \_\_\_\_\_  
 157. PRINT ZIP \_\_\_\_\_  
 158. PRINT PHONE \_\_\_\_\_  
 159. PRINT DATE \_\_\_\_\_  
 160. PRINT SIGNATURE \_\_\_\_\_  
 161. PRINT NAME \_\_\_\_\_  
 162. PRINT ADDRESS \_\_\_\_\_  
 163. PRINT CITY \_\_\_\_\_  
 164. PRINT STATE \_\_\_\_\_  
 165. PRINT ZIP \_\_\_\_\_  
 166. PRINT PHONE \_\_\_\_\_  
 167. PRINT DATE \_\_\_\_\_  
 168. PRINT SIGNATURE \_\_\_\_\_  
 169. PRINT NAME \_\_\_\_\_  
 170. PRINT ADDRESS \_\_\_\_\_  
 171. PRINT CITY \_\_\_\_\_  
 172. PRINT STATE \_\_\_\_\_  
 173. PRINT ZIP \_\_\_\_\_  
 174. PRINT PHONE \_\_\_\_\_  
 175. PRINT DATE \_\_\_\_\_  
 176. PRINT SIGNATURE \_\_\_\_\_  
 177. PRINT NAME \_\_\_\_\_  
 178. PRINT ADDRESS \_\_\_\_\_  
 179. PRINT CITY \_\_\_\_\_  
 180. PRINT STATE \_\_\_\_\_  
 181. PRINT ZIP \_\_\_\_\_  
 182. PRINT PHONE \_\_\_\_\_  
 183. PRINT DATE \_\_\_\_\_  
 184. PRINT SIGNATURE \_\_\_\_\_  
 185. PRINT NAME \_\_\_\_\_  
 186. PRINT ADDRESS \_\_\_\_\_  
 187. PRINT CITY \_\_\_\_\_  
 188. PRINT STATE \_\_\_\_\_  
 189. PRINT ZIP \_\_\_\_\_  
 190. PRINT PHONE \_\_\_\_\_  
 191. PRINT DATE \_\_\_\_\_  
 192. PRINT SIGNATURE \_\_\_\_\_  
 193. PRINT NAME \_\_\_\_\_  
 194. PRINT ADDRESS \_\_\_\_\_  
 195. PRINT CITY \_\_\_\_\_  
 196. PRINT STATE \_\_\_\_\_  
 197. PRINT ZIP \_\_\_\_\_  
 198. PRINT PHONE \_\_\_\_\_  
 199. PRINT DATE \_\_\_\_\_  
 200. PRINT SIGNATURE \_\_\_\_\_  
 201. PRINT NAME \_\_\_\_\_  
 202. PRINT ADDRESS \_\_\_\_\_  
 203. PRINT CITY \_\_\_\_\_  
 204. PRINT STATE \_\_\_\_\_  
 205. PRINT ZIP \_\_\_\_\_  
 206. PRINT PHONE \_\_\_\_\_  
 207. PRINT DATE \_\_\_\_\_  
 208. PRINT SIGNATURE \_\_\_\_\_  
 209. PRINT NAME \_\_\_\_\_  
 210. PRINT ADDRESS \_\_\_\_\_  
 211. PRINT CITY \_\_\_\_\_  
 212. PRINT STATE \_\_\_\_\_  
 213. PRINT ZIP \_\_\_\_\_  
 214. PRINT PHONE \_\_\_\_\_  
 215. PRINT DATE \_\_\_\_\_  
 216. PRINT SIGNATURE \_\_\_\_\_  
 217. PRINT NAME \_\_\_\_\_  
 218. PRINT ADDRESS \_\_\_\_\_  
 219. PRINT CITY \_\_\_\_\_  
 220. PRINT STATE \_\_\_\_\_

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INTEREST	TOTAL
10/1/54	...	...	...	...	...	...
10/2/54	...	...	...	...	...	...
10/3/54	...	...	...	...	...	...
10/4/54	...	...	...	...	...	...
10/5/54	...	...	...	...	...	...
10/6/54	...	...	...	...	...	...
10/7/54	...	...	...	...	...	...
10/8/54	...	...	...	...	...	...
10/9/54	...	...	...	...	...	...
10/10/54	...	...	...	...	...	...
10/11/54	...	...	...	...	...	...
10/12/54	...	...	...	...	...	...
10/13/54	...	...	...	...	...	...
10/14/54	...	...	...	...	...	...
10/15/54	...	...	...	...	...	...
10/16/54	...	...	...	...	...	...
10/17/54	...	...	...	...	...	...
10/18/54	...	...	...	...	...	...
10/19/54	...	...	...	...	...	...
10/20/54	...	...	...	...	...	...
10/21/54	...	...	...	...	...	...
10/22/54	...	...	...	...	...	...
10/23/54	...	...	...	...	...	...
10/24/54	...	...	...	...	...	...
10/25/54	...	...	...	...	...	...
10/26/54	...	...	...	...	...	...
10/27/54	...	...	...	...	...	...
10/28/54	...	...	...	...	...	...
10/29/54	...	...	...	...	...	...
10/30/54	...	...	...	...	...	...
10/31/54	...	...	...	...	...	...
11/1/54	...	...	...	...	...	...
11/2/54	...	...	...	...	...	...
11/3/54	...	...	...	...	...	...
11/4/54	...	...	...	...	...	...
11/5/54	...	...	...	...	...	...
11/6/54	...	...	...	...	...	...
11/7/54	...	...	...	...	...	...
11/8/54	...	...	...	...	...	...
11/9/54	...	...	...	...	...	...
11/10/54	...	...	...	...	...	...
11/11/54	...	...	...	...	...	...
11/12/54	...	...	...	...	...	...
11/13/54	...	...	...	...	...	...
11/14/54	...	...	...	...	...	...
11/15/54	...	...	...	...	...	...
11/16/54	...	...	...	...	...	...
11/17/54	...	...	...	...	...	...
11/18/54	...	...	...	...	...	...
11/19/54	...	...	...	...	...	...
11/20/54	...	...	...	...	...	...
11/21/54	...	...	...	...	...	...
11/22/54	...	...	...	...	...	...
11/23/54	...	...	...	...	...	...
11/24/54	...	...	...	...	...	...
11/25/54	...	...	...	...	...	...
11/26/54	...	...	...	...	...	...
11/27/54	...	...	...	...	...	...
11/28/54	...	...	...	...	...	...
11/29/54	...	...	...	...	...	...
11/30/54	...	...	...	...	...	...
12/1/54	...	...	...	...	...	...
12/2/54	...	...	...	...	...	...
12/3/54	...	...	...	...	...	...
12/4/54	...	...	...	...	...	...
12/5/54	...	...	...	...	...	...
12/6/54	...	...	...	...	...	...
12/7/54	...	...	...	...	...	...
12/8/54	...	...	...	...	...	...
12/9/54	...	...	...	...	...	...
12/10/54	...	...	...	...	...	...

DOI-10.2196/jmir.2012.0002

1. Subject: [REDACTED]

1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819

4.  $\text{H}_2\text{O} + \text{CO}_2 \rightleftharpoons \text{H}_2\text{CO}_3 \rightleftharpoons \text{H}^+ + \text{HCO}_3^-$  (acid dissociation)

[illegible]

-----

[6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#)



## MECHANICAL INTEGRITY TEST

Inventory No.: OS0924

Company: DRUMMOND & HULL  
 Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
 Well Name/Number: McCOMB#4  
 Location: SW/4; Sec. 1; T 27N; R 7E  
 Well Type: Enhanced Recovery  
 Casing: 7.00 inch, Tubing: 2.38 inch  
 Injection Interval: 2496-2514 feet  
 Packer Depth: 2468 feet  
 USDW: 637 feet 2493

## Mechanical Integrity Test Results

X Pass \_\_\_\_\_ Fail

Comments: \_\_\_\_\_

K. S. Samba 7-15-96  
 Engineer Date

## I. NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH CHANNELS ADJACENT TO THE WELLBORE

Technical Review: Pass How Determined: Cement Records

## II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER

## (A) TUBING-PACKER PRESSURE TEST

Injecting: Yes Pressure: Tubing: VAC psi Casing: 0 psi

## (B) CASING-TUBING ANNULUS PRESSURE TEST

Injection Rate: 800 bpd Time Since Annulus Filled: FULLAnnulus Fluid Type: SW/PF

Time	Tubing Pressure	Annulus Pressure	Flowback
<u>10:40AM</u>	<u>VAC</u> psi	<u>210</u> psi	High Pressure <u>200</u> psi
			Mid Pressure <u>100</u> psi Volume <u>5</u> Qts
<u>11:10AM</u>	<u>VAC</u> psi	<u>200</u> psi	Low Pressure <u>50</u> psi Volume <u>2 1/2</u> Qts
			End Pressure <u>0</u> psi Volume <u>3</u> Qts
			Total Volume <u>10 1/2</u> Qts

## (C) ADA PRESSURE TEST

(Fluid Column Height \* Specific Gravity \* .433/N2 Weight Fact = Required Test Pressure)

## Tubing/Packer

## Tubing/Casing Annulus

Tubing/Packer	Tubing/Casing Annulus
Depth to Top Perf/Open Hole _____ ft	Depth to Top Perf/Open Hole _____ ft
Depth to Fluid Level _____ ft	Depth to Fluid Level _____ ft
Fluid Column Height _____ ft	Fluid Column Height _____ ft
Specific Gravity of Fluid _____	Specific Gravity of Fluid _____
Nitrogen Weight Factor _____	Nitrogen Weight Factor _____
Required Test Pressure _____ psi	Required Test Pressure _____ psi

Time	Pressure	Time	Pressure
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi

## (D) CASING-TUBING ANNULUS MONITORING

System: \_\_\_\_\_ ; Fluid level above wellhead: \_\_\_\_\_

Annulus Pressure: \_\_\_\_\_ psi

## III. REMARKS

Date: 7/11/96 UIC Office Witness: Beverly Lacrone  
 Company Representative: TOMMY HULL



ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

UIC Program, P. O. Box 1495, Pawhuska, Oklahoma 74056 (918-287-4041)

Inspection Reason: \_\_\_\_\_

Inventory No.: 0924Operator: Name: Drummond ? HULL oil CO.Address: P.O. BOX 1268 PAWHUSKA, OK 74056Individual Contacted: NOUC

Title: \_\_\_\_\_

Well Information:Well Name and No. 4W BLACKLANDLocation: 1650' F(N/S)L, 330' F(E/W)L, SW1/4, Sec. 1, T 27, R 7Well Type: SWD/ER/DUAL/OTHERAuthorization: Rule/Permit/NoneAuthorization to Inject: Yes/No

Authorized: Pressure: \_\_\_\_\_ psi Rate: \_\_\_\_\_ BPM

Long String Casing Diameter: 7 inches Tubing Diameter: 2 7/8 inchesBase of Underground Sources of Drinking Water: 637 feet subsurfaceConditions on Inspection Date:Lease Status: Active/InactiveWell Status: Hooked up for injection? Yes/No Injecting? Yes/NoRequired Fittings: Tubing? Yes/No Annulus? Yes/No Not ApplicableInjection Pressure: 23 PSI VAC. psi; How Determined: gaugeAnnulus Pressure: 945 → 0 psi; How Determined: opened valveInjection Rate: \_\_\_\_\_ bpd; How Determined: 5-16-94

## Static Fluid Level:

Tubing: \_\_\_\_\_ feet subsurface; How Determined: \_\_\_\_\_

Annulus: \_\_\_\_\_ feet subsurface; How Determined: \_\_\_\_\_

Samples Taken: \_\_\_\_\_ Photographs Taken \_\_\_\_\_

Observations: \_\_\_\_\_

Inspection Date 4-24-96Time: Arrived 10:20 AM Departed 10:30 AMInspector: KW SamsenEvaluation: Name: Ralph E. Samsen Date: 5-16-98Inspection Results 1 Follow-up A Frequency NRViolation Code None Reason SeeRECEIVED  
US EPA, DALLAS, TEXAS  
MAY - 8 P 1:45  
ATLANTA, INDIES SEC.  
GEN - W0



ENVIRONMENTAL PROTECTION AGENCY  
U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C. 20250 (202-859-4041)

IMAGING ROOM  
RECEIVED

Inventory No. 0924

Inspection Reason:

Operator Name: Dorman, D  
03:21 PM 15 JUL 2016

Address: P.O. Box 1568 PAWBUKE, OK 74056

Individual Contacted: none  
Title:

Well Information:

Well Name and No. 4/4 BLACKLAND

Location: 1520 E HWY 330, SW 1/4, Sec 1, T 22, R 7

Well Type: SUD / DUAL / OTHER

Authorization: Rule Permit / None

Authorization to Inject: Yes / No

Authorized Pressure: psi Rate: BPM

Pond String Casing Diameter: 7 inches / Tubing Diameter: 2 7/8 inches

Base of Underground Sources of Drinking Water: 637 feet suburface

Condition on Inspection Date:

Lease Status: Active / Inactive

Well Status: Hooked up for Injection? Yes / No Injecting: Yes / No

Required Fittings: Tubing? Yes / No Annulus? Yes / No Not Applicable

Injection Pressure: 23 psi VAC. psi; How Determined: gauge

Annulus Pressure: 942 psi; How Determined: pressure value

Injection Rate: gpm; How Determined:

Static Fluid Level:

Tubing: feet suburface; How Determined:

Annulus: feet suburface; How Determined:

Sampler Taken: Photographs Taken

Observations:

Inspection Date: 4-24-16 Time: Arrived 10:20AM Departed 10:30AM

Inspector: K. W. Swanson

Evaluation Name:

Inspection Results: Below 100% A

Violation Code No. Reason: Sec

Date: 5-16-16

Frequency: 12

RECEIVED  
MAY - 8 - 2016  
10:51 AM



United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

21

Operator: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory No: 0924

Qtr. Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity Type of Permit

Lease Name

Well Number

Enhanced Recovery ☒ Individual  
No. of Wells: \_\_\_\_ 1-1 Area

McComb

4W

==== North Quadrant Reporting Form ====

		Injection Pressure		Total Volume Injected	Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG   Max PSIG
Apr	1995	Vacuum	250	26,283		
May	1995	Vacuum	250	26,679		
Jun	1995	Vacuum	250	26,820		
Jul	1995	Vacuum	250	26,826		
Aug	1995	Vacuum	250	26,767		
Sep	1995	Vacuum	250	26,721		
Oct	1995	Vacuum	250	26,856		
Nov	1995	Vacuum	250	26,716		
Dec	1995	Vacuum	250	26,763		
Jan	1996	Vacuum	250	26,760		
Feb	1996	Vacuum	250	25,379		
Mar	1996	Vacuum	250	25,379		

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

*John T. Hull*

4-23-96

RECEIVED

APR 24 1996

OSAGE NATIONAL  
EPA/UIC



(30)

ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0924  
Operator: Name: DRUMMOND & HULL OIL CO.  
Address: P.O. BOX 1268 PAWHUSKA, OK 74056  
Individual Contacted: \_\_\_\_\_ Title: \_\_\_\_\_

WELL INFORMATION:

Well Name and Number: #4W  
Location: 1650 ft F S L, 0330 ft F W L; SW /4, Sec. 1, T 27N, R 7E  
Well Type: ENHANCED RECOVERY  
Authorization: RULE Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: \_\_\_\_\_ psi Rate: \_\_\_\_\_ BPM  
Long-String Casing Diameter: 7.00 inches Tubing Diameter: 2.88 inches  
Base of Underground Sources of Drinking Water: 0 Feet Subsurface

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: 275 psi; How Determined? UIC GAUGE  
Annulus Pressure: ZERO psi; How Determined? OPENED  
Injection Rate: \_\_\_\_\_ bpd; How Determined? \_\_\_\_\_  
Static Fluid Level: \_\_\_\_\_  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Samples Taken? NO Photographs Taken? YES

Observations: ACTIVE WELL. BACKSIDE HAD BLOW-O WHEN OPENED.

Inspection Date: 10/24/95 Time: Arrived: 1:25PM Departed: 1:35PM

Inspector: Beverly Lacrone

Evaluation: Name: Ronald J. Emdyk 11-3-95  
Inspection Results: 1 Follow-Up: A Frequency: NR  
Violation Code: None Reason: Sec



United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL/INJECTION WELL  
MONITORING REPORT

(29)

Operator: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE Inventory No: 0924  
Qtr.Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity Type of Permit  
.....  
Enhanced Recovery ☒ Individual  
No. of Wells: \_\_\_\_ ☐ Area

Lease Name Well Number  
.....  
McComb 4W

==== North Quadrant Reporting Form ====

		Injection Pressure		Total Volume Injected	Tubing-Casing Annulus Pressure(Optional Monitor)	
Month	Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG   Max PSIG
Apr	1994	Vacuum	250	22,337		
May	1994	Vacuum	250	22,516		
Jun	1994	Vacuum	250	21,894		
Jul	1994	Vacuum	250	22,338		
Aug	1994	Vacuum	250	22,825		
Sep	1994	Vacuum	250	22,663		
Oct	1994	Vacuum	250	22,700		
Nov	1994	Vacuum	250	22,601		
Dec	1994	Vacuum	250	22,698		
Jan	1995	Vacuum	250	22,670		
Feb	1995	Vacuum	250	20,714		
Mar	1995	Vacuum	250	22,612		

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

*John T. Hull*

4-27-95



RECEIVED

APR 27 1995

OSAGE COUNTY  
EPA/UIC



United States Environmental Protection Agency  
Washington, D.C. 20480

ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

Operator: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE Inventory No: 0924  
Qtr. Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity Type of Permit  
.....  
Enhanced Recovery ☒ Individual  
No. of Wells: \_\_\_\_ | \_\_\_\_ Area

Lease Name  
.....  
McComb

Well Number  
.....  
4W

==== North Quadrant Reporting Form ====

Injection  
Pressure

Total Volume  
Injected

Tubing-Casing Annulus  
Pressure (Optional Monitor)

Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1993	Vacuum	290	22,659			
May 1993	Vacuum	290	22,762			
Jun 1993	Vacuum	290	22,720			
Jul 1993	Vacuum	290	22,758			
Aug 1993	Vacuum	290	22,727			
Sep 1993	Vacuum	290	22,314			
Oct 1993	Vacuum	290	22,532			
Nov 1993	Vacuum	290	22,558			
Dec 1993	Vacuum	290	22,547			
Jan 1994	Vacuum	290	22,194			
Feb 1994	Vacuum	290	20,364			
Mar 1994	Vacuum	290	22,352			

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

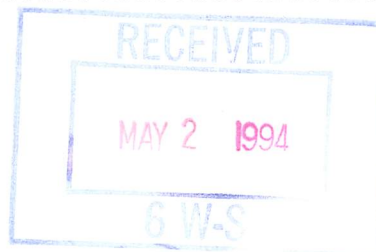
Signature

Date Signed

John T. Hull, General Partner

*John T. Hull*

4-28-94





October 3, 2017

United States Environmental Protection Agency  
 Bird Creek, Osage County, Oklahoma 74056  
 Washington, D.C. 20460

# ANNUAL DISPOSAL / INJECTION MONITORING REPORT

WELL UIC/EPA

APR 16 1993

**Operator:** Drummond & Hull  
 P.O. Box 1268  
 Pawhuska, OK 74056

**Owner:** Drummond & Hull  
 P.O. Box 1268  
 Pawhuska, OK 74056

**State:** OK **County:** OSAGE  
**Quarter Section:** SW **Section:** 1 **Township:** 27  
**Surface Location:** 1650 FSL, 330 FWL

**Inventory Number:** 05 0924  
**Range:** 7

**Well Activity** **Type of Permit** **Lease Name** **Well Number**  
 [Brine Disposal/ ☒ Individual McComb 4W  
 Enhanced Oil Recovery] **No. of Wells:** 1 **Area** North **Quadrant Reporting Form**

INJECTION PRESSURE			INJECTION VOLUME INJECTED		TUBING/CASING ANNULUS PRESSURE (OPTIONAL MONITOR)	
Mth/Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSI
Apr 1992	Vacuum	290	21,160	-----		
May 1992	Vacuum	290	21,195	-----		
Jun 1992	Vacuum	290	21,094	-----		
Jul 1992	Vacuum	290	21,031	-----		
Aug 1992	Vacuum	290	21,369	-----		
Sep 1992	Vacuum	290	21,407	-----		
Oct 1992	Vacuum	290	21,758	-----		
Nov 1992	Vacuum	290	21,981	-----		
Dec 1992	Vacuum	290	22,342	-----		
Jan 1993	Vacuum	290	22,648	-----		
Feb 1993	Vacuum	290	22,733	-----		
Mar 1993	Vacuum	290	22,773	-----		

APR 21 1993

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 C.F.R. §122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

John T. Hull

4-14-93

REPORT FORMS PRINTED INCORRECTLY

REPORT PERIOD ENDS MARCH 1993

*dmc*  
*5-4-93*

APR 1 1993



29

United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

Operator: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory No: 0924

Qtr. Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity Type of Permit

Lease Name

Well Number

Enchanced Recovery ☒ Individual

McComb

4W

No. of Wells: \_\_\_\_ | Area

==== North Quadrant Reporting Form ====

Injection  
Pressure

Total Volume  
Injected

Tubing-Casing Annulus  
Pressure(Optional Monitor)

Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1991	Vacuum	320	23,918			
May 1991	Vacuum	320	23,946			
Jun 1991	Vacuum	320	23,968			
Jul 1991	Vacuum	320	24,986			
Aug 1991	Vacuum	320	24,785			
Sep 1991	Vacuum	320	23,910			
Oct 1991	Vacuum	320	21,411			
Nov 1991	Vacuum	320	21,422			
Dec 1991	Vacuum	320	21,416			
Jan 1992	Vacuum	320	21,409			
Feb 1992	Vacuum	320	21,430			
Mar 1992	Vacuum	320	21,407			

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

*John T. Hull*

4-20-92

RECEIVED  
WATER SUPPLY BRANCH

92 APR 23 THU 11 5

9-119



29

United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL/INJECTION WELL  
MONITORING REPORT

Operator: DRUMMOND & HULL OIL CO Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268 PO BOX 1268  
PAWHUSKA OK 74056 PAWHUSKA OK 74056

State: OK County: OSAGE Inventory No: 0924  
Qtr.Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity Type of Permit Lease Name Well Number  
.....  
Enhanced Recovery ☒ Individual McComb 4W  
No. of wells: \_\_\_\_ ☐ Area

==== North Quadrant Reporting Form ====

		Injection Pressure		Total Volume Injected	Tubing-Casing Annulus Pressure(Optional Monitor)	
Month Yr		Avg PSIG	Max PSIG	BBL	MCF	Min PSIG   Max PSIG
Apr 1990	Vacuum	310	21105			
May 1990	Vacuum	310	20987			
Jun 1990	Vacuum	310	22446			
Jul 1990	Vacuum	320	23062			
Aug 1990	Vacuum	320	23119			
Sep 1990	Vacuum	320	22945			
Oct 1990	Vacuum	320	23069			
Nov 1990	Vacuum	320	23161			
Dec 1990	Vacuum	320	22995			
Jan 1991	Vacuum	320	23477			
Feb 1991	Vacuum	320	23438			
Mar 1991	Vacuum	320	23877			

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title Signature Date Signed  
John T. Hull - Owner *John T. Hull* 4/15/91

91 APR 18 PM 2:44

6W-S



October 3, 2017

Bird Creek - Osage County, Oklahoma

9-4W\_OS0924

183 of 196

WELL TYPE: (DISPOSAL/EOR)

WELL STATUS: (NEW/CONVERSION/EXISTING)

PERMIT #

INVENTORY # 05-0924

## MECHANICAL INTEGRITY TEST

4-11-91

COMPANY NAME Diamond & Hall ADDRESS P.O. Box 1268 Pawhuska, OK 74056WELL NAME & NO. G.M. Comb #4; 1650 ft. FROM [N] LINE AND 330 ft. FROM [E] LINE.LEGAL DESCRIPTION SW 1/4; Sec. 1; Twp. 27; Rge. 7MAXIMUM AUTHORIZED PRESSURE Not Avail. INJECTION INTERVAL 2496-2514' PACKER DEPTH 2468'

## I. DEMONSTRATED NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH ADJACENT WELL BORE CHANNELS:

(YES/NO) DATE: REVIEWER:

NO Tech. Review  
in UIC file.

## II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER:

## (A) TUBING-PACKER PRESSURE TEST

WELL: (INJECTING/SHUT-IN) TIME SINCE: SHUT-IN OR INJECTION BEGAN Stand. Annulus Filled  
PRESSURE: TUBING 0 CASING 0 LIQUID TYPE: INJECTION S.W.T.F. ANNULUS P.K. 10'  
ANNULAR FLUID FLOW: (YES/NO) TIME FOR FLOW TO STOP 0 ESTIMATED FLOW VOLUME 0 qt.

## (B) CASING-TUBING ANNULUS PRESSURE TEST

TUBING PRESSURE 350# INJECTION RATE 800 BPD (DURING TEST OR BEFORE SHUT-IN)

TIME	TUBING PRESSURE	ANNULUS PRESSURE
0 MIN	<u>160 PSI</u>	<u>310 PSI</u>
5 MIN	<u>" 0 "</u>	<u>310 "</u>
10 MIN	<u>" 0 "</u>	<u>310 "</u>
20 MIN	<u>" 0 "</u>	<u>310 "</u>
30 MIN	<u>" 0 "</u>	<u>310 "</u>

2:40 P.M.

CASING SIZE 7" TUBING SIZE 2 3/8" FLOW BACK VOLUME 19 gals.

## (C) ADA PRESSURE TEST

DEPTH TO TOP PERFORATIONS OR OPEN HOLE DEPTH TO FLUID LEVEL  
FLUID COLUMN HEIGHT x SP.GR. x .433 = PSIG REQUIRED FOR TEST.

MAXIMUM PRESSURE REACHED \_\_\_\_\_  
 PRESSURE AFTER 5 MINUTES \_\_\_\_\_  
 PRESSURE AFTER 10 MINUTES \_\_\_\_\_  
 PRESSURE AFTER 20 MINUTES \_\_\_\_\_  
 PRESSURE AFTER 30 MINUTES \_\_\_\_\_

## (D) MONTHLY CASING-TUBING MONITORING

SYSTEM (OPEN/CLOSED); FLUID LEVEL ABOVE GL PRESSURE

## (E) TUBING PRESSURE/FLOW RATE MONITORING MONITORING SYSTEM ADEQUATE: (YES/NO)

FLOW RATE BPD TUBING PRESSURE

## (F) RADIOACTIVE TRACER SURVEY

DATA &amp; INTERPRETATION SHOW: (LEAK/NO LEAK)

NATURE &amp; DEPTH OF LEAK:

## III. REMARKS

DATE 4/13/91 TEST WITNESSED BY: Arthur T. [Signature] (EPA FIELD INSPECTOR) [Signature] (COMPANY REPRESENTATIVE)

## IV. FROM THE KNOWLEDGE OBTAINED FROM THE ABOVE TESTS, IT IS MY OPINION THAT THIS WELL HAS MECHANICAL INTEGRITY: (YES/NO)

DB

Kw Sanbun  
EPA ENGINEER4-8-91  
DATE



MECHANICAL INSPECTION REPORT  
 TA' FROM THE WATER SUPPLY BRANCH

RECEIVED  
 WATER SUPPLY BRANCH

DATE 91 APR 11 AM 11:37

6W-S

### III. RESULTS

WATER & DEPTH OF TANK:

WATER T. INTERPRETATION FROM: (TANK/NO TANK)

(E) HYDROSTATIC PRESSURE TEST

FROM VALVE: BLD DURING PRESSURE

(E) DURING PRESSURE (FROM VALVE MONITORING)

MONITORING GAGES: (YES/NO)

GAGES (OPEN/CLOSED): FROD TANK: (YES/NO)

PRESSURE

(D) MONITORING DURING DURING MONITORING

PRESSURE VALVE 30 MINUTES

PRESSURE VALVE 30 MINUTES

PRESSURE VALVE 30 MINUTES

PRESSURE VALVE 30 MINUTES

MAXIMUM PRESSURE REACHED:

FROD COLUMN HEIGHT: X 25 CM

X 131 -

LEAK REQUIRED FOR TEST

DEPTH TO TOP REINFORCEMENT OR OPEN HOPE

DEPTH TO FROD TANK

(C) ADV PRESSURE TEST

CURING SIZE

DURING SIZE

FROM BACK LOGONE

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

30 MIN

DURING PRESSURE

INTERSECTION VALVE

BLD (DURING TEST OR BEFORE SHUT-IN)

(B) DURING DURING DURING PRESSURE TEST

WATER FROD FROM: (YES/NO) LINE FOR FROM TO FROM

ESTIMATED FROM LOGONE

or

PRESSURE: DURING

CURING

FROD TANK

INTERSECTION

WATER

WATER

MEET (INTERSECTION) IN LINE: (YES/NO) SHUT-IN OR INTERSECTION: (YES/NO)

WATER

(A) DURING-BACKER PRESSURE TEST

II. NO SIGNIFICANT LEAK IN CURING, DURING, OR BACKER

(YES/NO)

DATE

REMARKS

I. DEMONSTRATED NO SIGNIFICANT LEAK WASTAGE INTO OR FROM THROUGH VARIOUS MEET JOINT CHANGES

MAXIMUM AUTHORIZED PRESSURE: (YES/NO) INTERSECTION: (YES/NO) BACKER DEPTH: (YES/NO)

RESULT DESCRIPTION: (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO)

MEET NAME & NO: (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO)

COMPANY NAME: (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO)

MECHANICAL INSPECTION TEST

MEET STATUS: (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO)

MEET NAME: (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO)

INTERSECTION: (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO)

REMARKS: (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO) (YES/NO)







done  
4-17-90United States Environmental Protection Agency  
Washington, D.C. 20480ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

2. DALE

29

Operator: TEXACO INC  
POST OFFICE BOX 46510  
DENVER CO 80201Owner: TEXACO INC  
POST OFFICE BOX 46510  
DENVER CO 80201State: OK County: OSAGE Inventory No: 0924  
Qtr. Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity	Type of Permit	Lease Name	Well Number
Enhanced Recovery	<input checked="" type="checkbox"/> Individual	<u>G. McComb</u>	4W
No. of Wells: <u>1</u>	<u>1</u> Area		

## ==== North Quadrant Reporting Form ====

		Injection Pressure	Total Volume Injected	Tubing-Casing Annulus Pressure (Optional Monitor)		
Month Yr		Avg PSIG	Max PSIG	BBL	MCF	Min PSIG Max PSIG
Apr 1989		340		23,811		
May 1989		390		5,540		
Jun 1989		413		1,176		
Jul 1989		405		21,709		
Aug 1989		400		18,086		
Sep 1989		400		18,758		
Oct 1989		390		22,137		
Nov 1989		400		26,942		
Dec 1989		400		13,959		
Jan 1990		400		23,679		
Feb 1990		400		23,211		
Mar 1990		SOLD 12-1-89, REL 3-1-89 TO:			DRUMMOND AND HULL OIL COMPANY	
					P.O. BOX 1268	
					PAWUSKA, OK 74056	

## C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title	Signature	Date Signed
-------------------------	-----------	-------------

RECEIVED

APR 16 1990

EPA 6W-S  
REGION VI



United States Environmental Protection Agency  
Washington, D.C. 20480

ANNUAL FLUID LEVEL  
MONITORING REPORT

29

Operator: TEXACO INC  
PO BOX 2420  
TULSA OK 74102

Owner: TEXACO INC  
PO BOX 2420  
TULSA OK 74102

State: OK County: OSAGE

Inventory No: 0924

Qtr. Section: SW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0330W

Well Activity Type of Permit  
\*\*\*\*\*  
Enhanced Recovery ☒ Individual  
No. of Wells: 1 1 Area

Lease Name Well Number  
\*\*\*\*\*  
G. McCOMB (BLACKLAND COOP) 4W  
USDW Feet: 637 WTFLD

==== North Quadrant Fluid Monitor Report Form ====

Static Fluid Level (Feet Sub-Surface)

Month Yr	AVG PSI Tubing	BBL Annulus
Apr 1988		18,975
May 1988	283	19,239
Jun 1988	365	22,098
Jul 1988	385	21,812
Aug 1988	370	21,692
Sep 1988	365	20,814
Oct 1988	370	20,069
Nov 1988	370	19,831
Dec 1988	370	21,567
Jan 1989	300	19,035
Feb 1989	370	25,059
Mar 1989	310	29,747

PASSED MIT

2-24-87

WELL IS ACTIVE

Confirmed by phone  
with Mark Hendricks  
4-17-89

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

TED AUSCHWITZ - AREA SUPERINTENDENT

*[Signature]*

4/18/89

RECEIVED

DB

MAY 10 1989

EPA 6W-S  
REGION VI

✓



## EPA/UIC INSPECTION REPORT

ACNR  
(30)

Inspection Type NPI  
Inspection Frequency status  
Violation Code \_\_\_\_\_

Inventory No. 0924  
Authorization \_\_\_\_\_  
Authorized to Inject \_\_\_\_\_

Company/Operator Texaco, Inc.  
Business Address P.O. Box 779 Kingfisher, OK 73750  
Individual Contacted none Title \_\_\_\_\_  
Lease Name & Well No. Blackland McComb #4W  
Legal Description 1650' F<sup>N</sup>[S]L 0330' F<sup>E</sup>[W]L SW /4 Sec. 01 T 27 R 07  
Well Information: SWD/ER, Active/TA/P&A  
Authorized Injection: Pressure \_\_\_\_\_ Rate \_\_\_\_\_  
Long String Casing Size 7.00" Tubing Size 2.88"

## Report of Conditions as of this Date:

Lease: Active/Inactive Well hooked up for injection: Yes/No  
Injecting at time of inspection: Yes/No  
Required fittings on tubing and casing/tubing annulus: Yes/No/Not Applicable  
Injection Pressure 265 psig; How Determined LHC gauge on quick connect  
Annular Pressure ?; How Determined \_\_\_\_\_  
Injection Rate 983 bbls/day; How Determined Co. Totalizer  
Well plugged at Surface: Yes/No/Undetermined  
Samples Taken none Photographs Taken none

## Description of wellhead hookup and injection facility:

active injector, annulus was shut-in, tubing head 265 psig pulsing  
with quick connect. Haleburton model MCII Flow meter installed.

Weather Conditions and Observations clear, south wind  
sign located  $\approx$  25 yds NW of well.

Inspection Date 01/31/89 Time Arrived 1130 Departed 1145  
Field Inspector Chunee E. Brown  
EPA Reviewer Russell J. Caudy Date 2/12/89



United States Environmental Protection Agency

Washington, D.C. 20480

ANNUAL FLUID LEVEL  
MONITORING REPORT

29

Operator: TEXACO INC  
PO BOX 779  
KINGFISHER OK 73750Owner: TEXACO INC  
PO BOX 779  
KINGFISHER OK 73750State: OK County: OSAGE Inventory No: 0924  
Qtr. Section: SW Section: 01 Township: 27 Range: 07 Surface Location: 1650S0330W

Well Activity	Type of Permit	Lease Name	Well Number
.....	.....	.....	.....
Enhanced Recovery	<input checked="" type="checkbox"/> Individual	<u>G. McComb</u>	4W
No. of Wells: <u>1</u>	<u>1</u> Area	USDW Feet: 637	

==== North Quadrant Fluid Monitor Report Form ====

Month Yr	Static Fluid Level (Feet Sub-Surface)	AVG PSI	BBL
Apr 1987		250	20,235
May 1987		290	20,118
Jun 1987		290	19,720
Jul 1987		295	19,803
Aug 1987		290	17,739
Sep 1987		255	20,649
Oct 1987		280	18,749
Nov 1987		280	16,995
Dec 1987		240	15,600
Jan 1988		230	18,860
Feb 1988		220	16,179
Mar 1988		325	17,164

## C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

MR. W. A. WOOD - AREA SUP'T.

4/11/88

THIS WELL PASSED ITS MIT ON 2/26/87  
IT IS CURRENTLY AN ACTIVE WELL AND NOT  
TEMPORARILY ABANDONED. SUBMITTED  
INFORMATION

~~OK~~  
Well No. 4W  
Active  
4/19/88



FORM OR PERMIT # 0924  
DATE OF PERMIT           

## MECHANICAL INTEGRITY TESTS

COMPANY NAME TEXACO INC.  
 ADDRESS P.O. Box 2420  
 CITY AND STATE Tulsa, OK. 74102  
 LEASE NAME G. M. Combe WELL NO. 4W  
 LEGAL DESCRIPTION 102 ft. from 3 line of SW 1/4 of 1 SECTION  
330 ft. from 20 line of SW 1/4 of 1 SECTION  
 TOWNSHIP 27 RANGE 7  
 SALT WATER DISPOSAL WELL            ENHANCED RECOVERY WELL ✓  
 MAXIMUM PRESSURE AUTHORIZED            psi INJECTION INTERVAL 2496-2514 ft  
 NEW WELL            CONVERSION            EXISTING            PACKER DEPTH 2468 ft  
 DATE OF LAST INSPECTION 1-12-87 FAILED RETEST

I. No significant fluid movement into a USDW through channels adjacent to well bore:

Demonstration Adequate: (YES/NO)

Date:           

Method Used: (CHECK ONE OR MORE)

Reviewer:                      Cementing Records           Tracer Survey (in conjunction with another method)           Temperature Log           Noise Log           Other Acceptable Method (Specify)NO TECH. REVIEW  
IN UIC FILE  
(Pawhuska Office)

II. No significant leak in casing, tubing or packer:

METHOD(S) USED:

## (A) TUBING-PACKER PRESSURE TESTS

PROCEDURE: (1) Fill annulus with liquid and allow at least 2 hours for temperatures to stabilize (2) while injecting at maximum or average injection pressure, observe and record injection and annulus pressure, or liquid flow.

TEST WITNESSED BY: VERNON PyKietAndrew Gata  
(EPA FIELD INSPECTOR)DATE: 2-24-87DATE RECORDED BY: AYTIME SINCE: INJECTION BEGAN           

(hrs/days)

ANNULUS FILLED 3 wks.

(hrs/days)

ACTUAL INJECTION PRESSURE            psiCASING-TUBING ANNULUS PRESSURE            psiWATER FLOWED FROM ANNULUS (YES/NO)           FLOW: ESTIMATED VOLUME            Gals; TIME FOR FLOW TO STOP            Mins

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.

## (B) CASING-TUBING ANNULUS PRESSURE TEST

PROCEDURE: (1) Top off annulus with liquid, if more than 100 gallons are required, allow at least 2 hours for temperatures to stabilize, (2) pressure annulus to at least 200 psi, (3) observe and record injection tubing pressure and annulus pressure simultaneously for at least 30 minutes. (Note: This test may be run while well is shut-in or injecting. If injecting, must maintain a minimum of 100 psi difference between injection and annulus pressures throughout the tubing length).

TEST WITNESSED BY: VERNON PyKietAndrew Gata  
(EPA FIELD INSPECTOR)DATE: 2-24-87DATE RECORDED BY: AYWELL: (INJECTING/SHUT-IN): HOW LONG SINCE SHUT-IN 2 mo.

(hrs/days)

NATURE OF LIQUID: INJECTION LIQUID Salt water; ANNULUS LIQUID fresh water

PER Fluid



INJECTION: PRESSURE 424 psi; RATE 850 (BBIs/D) (Do not inject or shut-in prior to shut-in)

## TUBING PRESSURE

4  
4  
4  
4  
4

## ANNULUS PRESSURE

200  
200  
200  
200  
200

## TIME

12:55 P.M.  
at 0 MINUTES  
at 5 "  
at 10 "  
at 20 "  
at 30 "

RESULTS: (PASS/FAIL) - If results are not obvious, repeat above test. If annulus pressure fails to hold, Shut down and reschedule test after appropriate repairs have been completed.

## (C) CASING PRESSURE TEST

PROCEDURE: (1) With the wellhead and bottom of casing sealed, fill casing with liquid and allow several hours for temperatures to stabilize (2) Pressure casing to at least 200 psi (3) observe and record pressure for 30 minutes.

TEST WITNESSED BY:

(COMPANY REPRESENTATIVE)

(EPA FIELD INSPECTOR)

DATE:

DATA RECORDED BY:

INITIAL PRESSURE: \_\_\_\_\_ psi PRESSURE AFTER 30 MINUTES \_\_\_\_\_ psi

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.

## (D) MONTHLY CASING-TUBING MONITORING

PROCEDURE: (1) Maintain a positive pressure of 5 to 10 psi and monitor annulus pressure monthly.

Annual Report Data:

YEAR	INJECTION PRESSURE RANGE	ANNULUS PRESSURE RANGE	REMEDIAL ACTIONS TAKEN	REVIEWED BY	DATE

## (E) MONITORING INJECTION PRESSURE AND FLOW RATE RELATIONSHIP

PROCEDURE: (1) Perform initial pressure test (B), (2) Determine the initial well injectivity, (3) monitor the injection pressure and flow rate monthly.

DATE	FLOW RATE (BPD)	INJECTION PRESSURE	INJECTIVITY (BPD/psi)	REVIEWED BY	DATE

## (F) RADIOACTIVE TRACER SURVEY

Data and interpretation show: Leaks in casing \_\_\_\_\_ tubing \_\_\_\_\_ packer \_\_\_\_\_  
No leaks in casing \_\_\_\_\_ tubing \_\_\_\_\_ packer \_\_\_\_\_

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs are made.

III. REMARKS Failed MIT: 7-15-86 / RETEST: 1-12-87

Failure LTR. dtd. 10-1-86 (90 days)

T.A.: -D 11-25-86 (LTR. from ops)

7" csq. w/ 2 3/4" - 69.

16 qt. return after test.

IV. From the knowledge obtained from the above tests, it is my opinion that this well has mechanical integrity: (YES/NO)

(COMPANY REPRESENTATIVE)

(EPA FIELD INSPECTOR)

(DATE)

Per Conversation  
w/ Danny Giddens  
(Radio -> Vernon Pruitt)  
From NORMA SFL  
e Supervisor in TURK  
2/25/87



RATES

FORM OR PERMIT # 0924  
DATE OF PERMIT 1-12-87

28

## MECHANICAL INTEGRITY TESTS

COMPANY NAME TEXACO INC.  
 ADDRESS P.O. Box 2420  
 CITY AND STATE Tulsa, OK 74102  
 LEASE NAME G. M. Combe WELL NO. 4W  
 LEGAL DESCRIPTION 160 ft. from S line of SW 1/4 of 1 SECTION  
330 ft. from W line of  
 TOWNSHIP 27 RANGE 7  
 SALT WATER DISPOSAL WELL \_\_\_\_\_ ENHANCED RECOVERY WELL ☒  
 MAXIMUM PRESSURE AUTHORIZED \_\_\_\_\_ psi INJECTION INTERVAL 2496-2514 ft  
 NEW WELL \_\_\_\_\_ CONVERSION \_\_\_\_\_ EXISTING \_\_\_\_\_ PACKER DEPTH 2467 ft  
 DATE OF LAST INSPECTION 7-15-86 (fail MIT)

## I. No significant fluid movement into a USDW through channels adjacent to well bore:

Demonstration Adequate: (YES/NO)

Date: \_\_\_\_\_

Method Used: (CHECK ONE OR MORE)

Reviewer: \_\_\_\_\_

☐ Cementing Records☐ Tracer Survey (in conjunction with another method)☐ Temperature Log☐ Noise Log☐ Other Acceptable Method (Specify)No tech. Review  
in use file.  
(Binhaska Office)

## II. No significant leak in casing, tubing or packer:

## METHOD(S) USED:

## (A) TUBING-PACKER PRESSURE TESTS

PROCEDURE: (1) Fill annulus with liquid and allow at least 2 hours for temperatures to stabilize (2) while injecting at maximum or average injection pressure, observe and record injection and annulus pressure, or liquid flow.

TEST WITNESSED BY: John Adams (COMPANY REPRESENTATIVE) Andrew Gt (EPA FIELD INSPECTOR)

DATE: 1-12-87DATE RECORDED BY: AG

TIME SINCE: INJECTION BEGAN \_\_\_\_\_ (hrs/days) ANNULUS FILLED 6:00 (hrs/days)

ACTUAL INJECTION PRESSURE 420 psiCASING-TUBING ANNULUS PRESSURE 27 psi

WATER FLOWED FROM ANNULUS (YES/NO)

FLOW: ESTIMATED VOLUME 0 Gals; TIME FOR FLOW TO STOP 0 Mins

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.

## (B) CASING-TUBING ANNULUS PRESSURE TEST

PROCEDURE: (1) Top off annulus with liquid, if more than 100 gallons are required, allow at least 2 hours for temperatures to stabilize, (2) pressure annulus to at least 200 psi, (3) observe and record injection tubing pressure and annulus pressure simultaneously for at least 30 minutes. (Note: This test may be run while well is shut-in or injecting. If injecting, must maintain a minimum of 100 psi difference between injection and annulus pressures throughout the tubing length).

TEST WITNESSED BY: John Adams (COMPANY REPRESENTATIVE) Andrew Gt (EPA FIELD INSPECTOR)

DATE: 1-12-87DATE RECORDED BY: AG

WELL: (INJECTING/SHUT-IN): SHUT-IN HOW LONG SINCE SHUT-IN \_\_\_\_\_ (hrs/days)

NATURE OF LIQUID: INJECTION LIQUID Salt water; ANNULUS LIQUID Salt water



INJECTION: PRESSURE 420 psi: RATE 850 (BBIs/D.        g injection  
or shut prior to  
shut-in)

## TUBING PRESSURE

## ANNULUS PRESSURE

## TIME

420  
420  
420  
420

200  
205  
211  
225

at 0 MINUTES  
at 5 "  
at 10 "  
at 20 "  
at 30 "

1:40 P.M. 7P J.P. 2.00 PM  
70 420 200  
5 420 205  
10 420 210  
20 420 225

RESULTS: (PASS/FAIL) - If results are not obvious, repeat above test. If annulus pressure fails to hold, Shut down and reschedule test after appropriate repairs have been completed.

## (C) CASING PRESSURE TEST

PROCEDURE: (1) With the wellhead and bottom of casing sealed, fill casing with liquid and allow several hours for temperatures to stabilize (2) Pressure casing to at least 200 psi (3) observe and record pressure for 30 minutes.

TEST WITNESSED BY:

(COMPANY REPRESENTATIVE)

(EPA FIELD INSPECTOR)

DATE:

DATA RECORDED BY:

INITIAL PRESSURE: \_\_\_\_\_ psi PRESSURE AFTER 30 MINUTES \_\_\_\_\_ psi

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.

## (D) MONTHLY CASING-TUBING MONITORING

PROCEDURE: (1) Maintain a positive pressure of 5 to 10 psi and monitor annulus pressure monthly.

Annual Report Data:

YEAR	INJECTION PRESSURE RANGE	ANNULUS PRESSURE RANGE	REMEDIAL ACTIONS TAKEN	REVIEWED BY	DATE

## (E) MONITORING INJECTION PRESSURE AND FLOW RATE RELATIONSHIP

PROCEDURE: (1) Perform initial pressure test (B), (2) Determine the initial well injectivity, (3) monitor the injection pressure and flow rate monthly.

DATE	FLOW RATE (BPD)	INJECTION PRESSURE	INVENTORY (BPD/psi)	REVIEWED BY	DATE

## (F) RADIOACTIVE TRACER SURVEY

Data and interpretation show: Leaks in casing \_\_\_\_\_ tubing \_\_\_\_\_ packer \_\_\_\_\_  
No leaks in casing \_\_\_\_\_ tubing \_\_\_\_\_ packer \_\_\_\_\_

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs are made.

III. REMARKS Failed MIT: 7-15-86  
Failure 4+1, 1+1: 10-1-86  
T.A. → 11-25-86 (4+1)

IV. From the knowledge obtained from the above tests, it is my opinion that this well has mechanical integrity: (YES/NO)

(COMPANY REPRESENTATIVE)

(EPA FIELD INSPECTOR)

(DATE)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (2) ~~NEBBE~~ - 05092400  
 WASHINGTON DC 20480 (2) FILE # 924  
 ANNUAL DISPOSAL / INJECTION WELL MONITORING REPORT 29

OPERATOR: TEXACO INC  
 PO BOX 2420  
 TULSA OK 74102

OWNER: TEXACO INC  
 PO BOX 2420  
 TULSA OK 74102

STATE: OK COUNTY: OSAGE INVENTORY NO: 0924  
 QTR. SECTION: SW SECTION: 01 TOWNSHIP: 27 RANGE: 07 SURFACE LOCATION: 1650S0330W

WELL ACTIVITY TYPE OF PERMIT LEASE NAME WELL NUMBER  
 ENHANCED RECOVERY (X) INDIVIDUAL GLADYS McCOMB 4W  
 NO. OF WELLS: 1 1 AREA

\*\* NORTH QUADRANT REPORTING FORM \*\*

		INJECTION PRESSURE		TOTAL VOLUME INJECTED	TUBING-CASING ANNULUS PRESSURE (OPTIONAL MONITOR)		
MONTH	YR	AVG PSIG	MAX PSIG	BBL	MCF	MIN PSIG	MAX PSIG
** 04-85 **		230	230	20,730			
** 05-85 **		230	230	14,490			
** 06-85 **		270	270	16,260			
** 07-85 **		270	270	16,802			
** 08-85 **		270	270	16,800			
** 09-85 **		270	270	15,060			
** 10-85 **		370	370	18,042			
** 11-85 **		370	370	16,770			
** 12-85 **		370	370	22,370			
** 01-86 **		305	310	20,781	-	-	-
** 02-86 **		370	370	19,796	-	-	-
** 03-86 **		390	390	21,142	-	-	-

C E R T I F I C A T I O N

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. (REF. 40 CFR 122.22).

NAME AND OFFICIAL TITLE SIGNATURE DATE SIGNED  
 T.C. WILLIAMS, AREA Supt. J.C. Williams 7-7-86

\*\*\*\*\*  
 \* SECOND REQUEST - NOTICE OF REPORT DUE \*  
 \*  
 \*\*\*\*\*

RECEIVED  
 JAN 23 1987

EPA 6W-S  
 REGION VI



FORM OR PERMIT # 924  
DATE OF PERMIT \_\_\_\_\_

## MECHANICAL INTEGRITY TESTS

COMPANY NAME Texaco INC.  
 ADDRESS P.O. Box 2420  
 CITY AND STATE Tulsa, OK 74102  
 LEASE NAME McCombe WELL NO. 4W-354  
 LEGAL DESCRIPTION 1650 ft. from S line of SW 1/4 of 1 SECTION  
330 ft. from W line of  
 TOWNSHIP 27N RANGE 7E  
 SALT WATER DISPOSAL WELL \_\_\_\_\_ ENHANCED RECOVERY WELL X  
 MAXIMUM PRESSURE AUTHORIZED \_\_\_\_\_ psi INJECTION INTERVAL 2496-2514 ft  
 NEW WELL \_\_\_\_\_ CONVERSION \_\_\_\_\_ EXISTING \_\_\_\_\_ PACKER DEPTH 2468 ft  
 DATE OF LAST INSPECTION \_\_\_\_\_

## I. No significant fluid movement into a USDW through channels adjacent to well bore:

Demonstration Adequate: (YES/NO) \_\_\_\_\_ Date: \_\_\_\_\_  
 Method Used: (CHECK ONE OR MORE) \_\_\_\_\_ Reviewer: \_\_\_\_\_  
☐ Cementing Records  
☐ Tracer Survey (in conjunction with another method)  
☐ Temperature Log  
☐ Noise Log  
☐ Other Acceptable Method (Specify) \_\_\_\_\_

## II. No significant leak in casing, tubing or packer:

## METHOD(S) USED:

## (A) TUBING-PACKER PRESSURE TESTS

PROCEDURE: (1) Fill annulus with liquid and allow at least 2 hours for temperatures to stabilize (2) while injecting at maximum or average injection pressure, observe and record injection and annulus pressure, or liquid flow.

TEST WITNESSED BY: \_\_\_\_\_ (COMPANY REPRESENTATIVE) \_\_\_\_\_ (EPA FIELD INSPECTOR)  
 DATE: \_\_\_\_\_  
 DATE RECORDED BY: \_\_\_\_\_  
 TIME SINCE: INJECTION BEGAN \_\_\_\_\_ ANNULUS FILLED \_\_\_\_\_  
 (hrs/days) (hrs/days)  
 ACTUAL INJECTION PRESSURE \_\_\_\_\_ psi  
 CASING-TUBING ANNULUS PRESSURE \_\_\_\_\_ psi  
 WATER FLOWED FROM ANNULUS (YES/NO) \_\_\_\_\_  
 FLOW: ESTIMATED VOLUME \_\_\_\_\_ Gals; TIME FOR FLOW TO STOP \_\_\_\_\_ Mins

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.

## (B) CASING-TUBING ANNULUS PRESSURE TEST

PROCEDURE: (1) Top off annulus with liquid, if more than 100 gallons are required, allow at least 2 hours for temperatures to stabilize, (2) pressure annulus to at least 200 psi, (3) observe and record injection tubing pressure and annulus pressure simultaneously for at least 30 minutes. (Note: This test may be run while well is shut-in or injecting. If injecting, must maintain a minimum of 100 psi difference between injection and annulus pressures throughout the tubing length).

TEST WITNESSED BY: W. West (COMPANY REPRESENTATIVE) B. LaCroix (EPA FIELD INSPECTOR)  
 DATE: 7-15-86  
 DATA RECORDED BY: B. LaCroix  
 WELL: (INJECTING/SHUT-IN): HOW LONG SINCE SHUT-IN 1 hr. prior to testing  
 (hrs/days)  
 NATURE OF LIQUID: INJECTION LIQUID S.W.; ANNULUS LIQUID S.W.

RECEIVED  
 AUG 11 1986  
 EPA G.W.  
 REGION 9



INJECTION: PRESSURE \_\_\_\_\_ ps1; RATE \_\_\_\_\_ (bbl/d) (During injection or just prior to shut-in)

TUBING PRESSURE	ANNULUS PRESSURE	TIME
_____	_____	at 0 MINUTES
_____	_____	at 5 "
_____	_____	at 10 "
_____	_____	at 20 "
_____	_____	at 30 "

*unable to pressure*

RESULTS: (PASS/FAIL) - If results are not obvious, repeat above test. If annulus pressure fails to hold, Shut down and reschedule test after appropriate repairs have been completed.

(C) CASING PRESSURE TEST

PROCEDURE: (1) With the wellhead and bottom of casing sealed, fill casing with liquid and allow several hours for temperatures to stabilize (2) Pressure casing to at least 200 ps1 (3) observe and record pressure for 30 minutes.

TEST WITNESSED BY: \_\_\_\_\_ (COMPANY REPRESENTATIVE) \_\_\_\_\_ (EPA FIELD INSPECTOR)

DATE: \_\_\_\_\_

DATA RECORDED BY: \_\_\_\_\_

INITIAL PRESSURE: \_\_\_\_\_ ps1 PRESSURE AFTER 30 MINUTES \_\_\_\_\_ ps1

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.

(D) MONTHLY CASING-TUBING MONITORING

PROCEDURE: (1) Maintain a positive pressure of 5 to 10 ps1 and monitor annulus pressure monthly.

Annual Report Data:

YEAR	INJECTION PRESSURE RANGE	ANNULUS PRESSURE RANGE	REMEDIAL ACTIONS TAKEN	REVIEWED BY	DATE
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

(E) MONITORING INJECTION PRESSURE AND FLOW RATE RELATIONSHIP

PROCEDURE: (1) Perform initial pressure test (B), (2) Determine the initial well injectivity, (3) monitor the injection pressure and flow rate monthly.

DATE	FLOW RATE (BPD)	INJECTION PRESSURE	INJECTIVITY (BPD/ps1)	REVIEWED BY	DATE
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

(F) RADIOACTIVE TRACER SURVEY

Data and interpretation show: Leaks in casing \_\_\_\_\_ tubing \_\_\_\_\_ packer \_\_\_\_\_  
No leaks in casing \_\_\_\_\_ tubing \_\_\_\_\_ packer \_\_\_\_\_

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs are made.

III. REMARKS *Well head leaks unable to pressure up for testing.*

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

IV. From the knowledge obtained from the above tests, it is my opinion that this well has mechanical integrity: (YES/NO)

*W. Washburn*  
(COMPANY REPRESENTATIVE)

*D. LaCrosse*  
(EPA FIELD INSPECTOR)

*7-15-86*  
(DATE)

RECEIVED  
AUG 11 1986  
EPA GWS  
REGION VI

hC